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THE CHEMIST AND DRUGGIST

ESTAB. 1859

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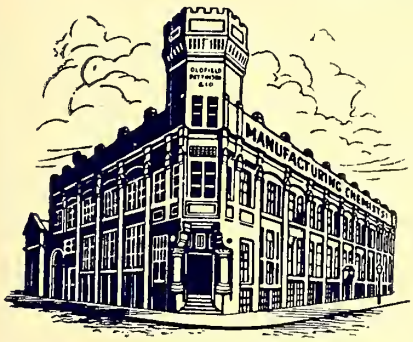

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PRODUCTS

Proprietors of the "Silver Churn" Dairy Preparations.

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Do you know the "Torch" Brand Series?

They bear our name, look distinctive and, on their merits, bring repeat orders.
Moreover, they show 33⅓% on turnover.

Write for detailed list, or discuss with our traveller on his next visit.

Allen & Hanburys Ltd.
37, LOMBARD STREET LONDON, E.C.3.

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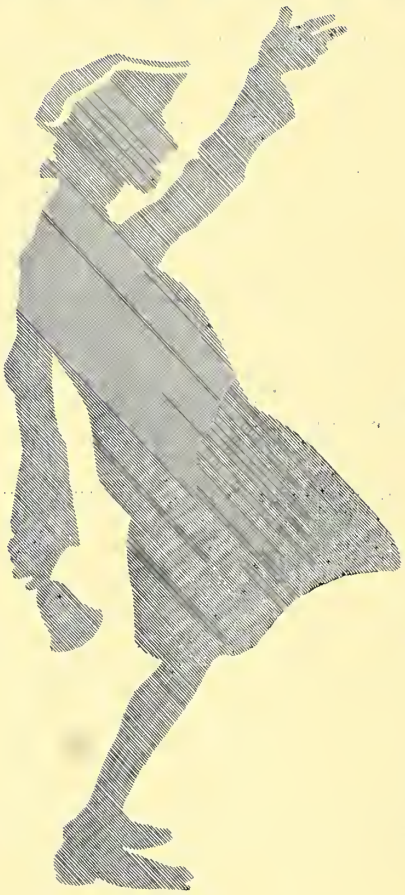
MAY, ROBERTS' PROPRIETARIES PRICE LIST



IS READY!

The crying need of the pharmacist at this difficult time of falling prices is an

UP-TO-DATE

Patents and Proprietaries Price List.

MAY, ROBERTS

will forward this, together with Carriage Paid Terms, etc., if you will send them a postcard.

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7/13 Clerkenwell Road - LONDON, E.C.1

16 Westmoreland Street, DUBLIN,
and 41 Union Street, PLYMOUTH

Look to your stock of the

Supplies are now ample to meet every demand——we are therefore again advertising our Feeder throughout the British Isles

Complete Feeder (each in Cardboard Box) **16/3 per doz.**

RETAIL AT 1/9 EACH.

Carriage paid on orders of 3 dozen.

All orders to be addressed to the Chemist's usual Wholesaler or to the Glaxo Distributing Agents as follows ;

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SANGERS - Old Infirmary Bldgs., Newcastle-on-Tyne.
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JOHNSON BROS. - - - Great Ship Street, Dublin.
JOHNSON BROS. - - - Duncrue Street, Belfast.

If you have any difficulty in obtaining stocks write at once to

SALES MANAGER, GLAXO, 155 GREAT PORTLAND ST., LONDON, W.1.

SOME TRULY REMARKABLE TESTIMONY FROM CHEMISTS

Who write us to tell of how "restless" they find their stocks of

REUDEL BATH SALTRATES AND ALKIA SALTRATES

The best of all preparations for the bath.
Sells at 2/- and 3/3 double size (P.A.T.A.)

The Acme of perfection in Salines.
Sells at 3/3 a large bottle (P.A.T.A.).

These products simply will not stay on the shelf.

NOTE.—The following statements were sent us without solicitation of any kind.

Mr. Chas. Robertson of St. Andrews, wrote us saying that our products were proving so restless that he had difficulty in keeping them on his shelf. He had just made three sales within 15 minutes. Mr. J. L. Lewis of Harlesden, and many other Chemists have also written us telling of similar experiences.

In a recent advertisement we reproduced Mr. Robertson's letter in facsimile, and Mr. A. W. Cornish of Bristol, after reading that announcement, now writes us to say he has eclipsed even Mr. Robertson's record, having himself made four sales in five minutes.

By special permission, we reproduce below, in full, the letter which Mr. Cornish has kindly sent us.

A. W. CORNISH, M.P.S.
THE PEOPLE'S CHEMIST
The Oxford Pharmacy 188 Lower Ashley Rd.
BRISTOL

Messrs Saltrates Ltd.,
212/214, Gt Portland St,
London. W.1.

April 24th. 1920.

Dear Sirs;- I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat, in my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

2/- Reudel Bath Saltrates)
3/3 Alkia Saltrates) All in five
2/- Reudel Bath Saltrates) minutes
3/3 " " ") or so.

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold out". But your preparations are always good sellers with me.

I thought the foregoing would interest you, and it is absolutely authentic, as my Lady Assistant can witness. If the "Tale wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Mr Robertson's "natty" phrase fill up with "restless" goods, which are restless to the point of removal for "Cash Till Food".

With compliments,
Yours faithfully,
A W Cornish

SACCHARIN-MONSANTO

QUALITY
UNSURPASSED.

WE INVITE COMPARISON
WITH ANY MAKE.

BRITISH MADE

Manufactured by
THE
Graesser-Monsanto Chemical Works,
LIMITED,
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Phone: 4613 London Wall. *Telegrams:* "Graesanto, Ave, London."

REDUCED PRICES.

Toilet and Medicinal Preparations packed in Collapsible Tubes.

TOILET PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Cold Cream	2/8	4/-	5/9	doz.
Glycerine & Honey Jelly... ...	2/10	4/4	6/2	„
Oatmeal Cream	3/1	5/-	7/-	„
Shaving Cream	—	9/-	—	„
Toilet Lanoline	2/8	4/-	5/9	„
Solid Brilliantine	2/10	4/4	6/2	„
Vanishing Cream...	2/8	4/-	5/9	„

MEDICINAL PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Blue Ointment	5/2	8/9	15/9	doz.
Boracic „	2/10	4/4	6/2	„
Calomel „	4/10	8/–	14/–	„
Capsicum „	3/2	4/10	7/–	„
Sulphur „	4/–	6/2	10/6	„
Zinc „	3/10	5/6	9/3	„
Borated Petroleum Jelly	3/2	4/10	7/–	„
Capsicum „ „	3/4	5/–	7/8	„
Carbolized „ „	3/2	4/10	7/–	„

Customer's name FREE on 3 dozen of any one preparation.

BONUS.—With an order for 2 gross assorted Preparations, we will give a bonus of 1 dozen 1-oz. tubes of any Toilet Preparation.

Telephone: HOP 4170 (2 lines).

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LONDON, S.E.1.

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IN ALL ITS BRANCHES,

FOR THE TRADE

We are one of the oldest and leading Houses for the crushing and powdering of all kinds of drugs, spices, etc.

The system of grinding drugs and spices sent in by customers and returning the product unadulterated with any foreign matter was practically originated by the firm in 1833.

The GREATEST CARE is taken with all drugs, etc., sent to be ground, so as not to impair the colour or medicinal value, and the actual produce is returned to the senders.

ALL GRADES OF FINENESS. PRICES ON APPLICATION.

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Moorland Health Salts

packed in special air-tight tins

Prices:

7/- doz.
1 gross 6/6 doz.
3 „ 6/3 „
5 „ 6/- „

Retail

per 10½D. tin.
3 for 2/6

THE tin has always been the trouble in packing Health Salts, the ordinary pattern is not air-tight owing to the seams being simply folded over. Our tins are specially made, all seams and joints being treated with a special inodorous composition which makes them quite air-tight when the lever lid is well pressed down.

Moorland Health Salt is the outcome of considerable scientific research, a fine pin-head granule which gives a continuous effervescence from the bottom of the glass—not a sudden fizz and all over—the percentage of acid, sweetness and saline properties are just right.

Each batch is carefully and scientifically tested in our own control laboratory before it is packed, and the uniformity of granules, solubility and percentage of acid, all noted, ensuring a perfect product.

Your profit is a very liberal one, at least 4d. per tin, you will notice—good show-matter is provided, and where you will take the quantity, we will supply specially designed posters to your requirements free. This is the salt you will eventually buy, so better commence NOW !.

Don't order a few—Make a big, bold display and they will sell like hot cakes

"Moorland Pharmacy Service"

W. B. CARTWRIGHT LTD.
RAWDON NEAR LEEDS

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New Zealand, 161, HEREFORD ST. CHRISTCHURCH. CORNER ALBERT & DURHAM STS AUCKLAND.

"Moorland Pharmacy Service"

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Telegrams : "Owenitical London."

GLASS BOTTLE MANUFACTURERS and MERCHANTS

(Wholesale only).

The price of glass bottles—indeed, every form of glassware—will increase this year. THE GERMAN REPARATION (RECOVERY) ACT and THE ANTI-DUMPING BILL will stop the import of cheap glassware. It will mean greater employment for British Glass Blowers— the English factories will once again be working full time—prices will rise. If you are wise you will look ahead and place your orders now. We are actual manufacturers of every class of bottle. We can submit designs of special bott es and deliver in from three to four weeks from receipt of order.

Place your orders now—we will give them careful attention.

On April 28th we are removing our Warehouse and Packing Rooms to larger and more convenient premises. To pack and move our vast store of bottles would cost some hundreds of pounds. It is better that we should give our clients the benefit of this expenditure by proportionately reducing the prices of larger parcels of bottles.

We are therefore going to offer our entire stock at prices which are from 20% to 50% below actual cost.

Orders will be taken in strict rotation. All prices are Ex Warehouse.

POISONS

	Gross	Price s.	Price d.
2-drm Hex	25	6	6
2-drm. flat	23	6	6
2-oz. ,,	10	10	0
½-oz. Round Blue Vials	500	7	0
1½-oz. Hex. blue	24	9	0
2 ,, ,, ,,	10	10	0
4 ,, ,, ,,	10	14	0
6 ,, ,, ,,	21	16	6
8 ,, ,, ,,	5	20	0
10 ,, ,, ,,	10	24	0
12 ,, ,, ,,	10	26	0

KALIS

	Gross	Price s.	Price d.
2½-oz. squat W. Flint	400	9	6
3½ ,, ,,	60	10	6
4 ,, ,,	300	11	6
12 ,, White Flint, W.M.	35	27	6
16 ,, ,, ,,	27	30	0
24 ,, ,, ,,	34	34	0
24 ,, Amber ,,	34	36	0

CHELTS.

	Gross	Price s.	Price d.
2-oz. Amber, wide mouth	80	10	0

MEDICAL TUMBLERS

	Gross	Price s.	Price d.
4-oz. marked for tea and table spoons		60	0
3-oz. ,, ,, ,, ,, ,,		50	0

LIMES

	Gross	Price s.	Price d.
½-oz. Greenish	60	6	6
1-oz. White flint	50	7	6
1 ,, Greenish	300	7	0
2 ,, ,,	60	8	0
2 ,, White flint	100	9	0
4 ,, ,,	100	11	6
6 ,, ,,	170	14	0
6 ,, Greenish	124	12	0
14 ,, Medical Tint	80	18	0

VIALS

	Gross	Price s.	Price d.
2-drm. White flint	22	6	6
½-oz. Greenish	65	6	6
1 ,, ,,	70	7	0
1 ,, White flint	120	7	6
1½-oz. Greenish	20	7	6
2 ,, ,,	54	8	0
2 ,, White flint	10	8	6

MEDICAL FLATS

	Gross	Price s.	Price d.
1-oz. White flint	100	9	6
2 ,, ,,	100	11	6
4 ,, ,,	100	13	6
12 ,, Greenish	20	27	6
16 ,, ,,	20	28	6

PANELS

	Gross	Price s.	Price d.
1-oz. White flint	20	9	6
1½ oz. ,,	17	10	0
2 ,, Greenish	48	10	6

BRILLS

	Gross	Price s.	Price d.
5-oz. White flint	20	11	6

PILL TUBES

	Gross	Price s.	Price d.
2-drm. screw cap	70	14	0
100 m.m	150	10	0
3-oz. vials corked-in wooden envelopes	30	30	0

OVALS

	Gross	Price s.	Price d.
½-oz. round necked ovals	65	9	0

REAGENT BOTTLES

With stoppers—white flint.

		Price s.	Price d.
56	1 litre	each 1	0
95	1½ litre	,, 1	3
40	2 litre	,, 1	6

EYEBATHS

In blue, white, amber, packed in boxes of one dozen **3/6** per doz. post free

SPECIAL OFFER.

600 gross wide-mouthed, square creams—2-oz. capacity, white flint, for cork, not screw-cap, 9/- per gross f.o.r.

F. OWENS & CO., LTD., Temple Chambers, Temple Avenue, LONDON, E.C.4.

We only supply Wholesale.

D. 268.

BRIDGE BRAND

Pharmaceutical & Photographic Products

R. W. GREEFF & CO., Ltd., offer the following Chemicals, all of the "RHODIA" brand.

(WHOLESALE QUANTITIES ONLY.)

ASPIRIN	HYDROQUINONE	PIPERAZINE
AMIDOPYRIN	METHYL SALICYLATE	RESORCIN
GENOL	PHENAZONE	SALOL

SALICYLIC ACID and SALICYLATE of SODA

SPOT OR FORWARD DELIVERY.

R. W. Greeff & Co. Ltd.
Thames House Queen Street Place
London E.C.4
Telephone 6550 City
(8 LINES)

MANCHESTER BRANCH
LLOYDS BANK BUILDINGS
KING STREET
TELEPHONE 5707 CITY.

NEW YORK AGENTS
R. W. GREEFF & CO. INC.
78, FRONT STREET.

Enolin

TOOTH PASTE

TRADE COMPETITION

Commencing 15th April, 1921—Ending 15th July, 1921.

NO ENTRANCE FEE.

Open to all Pharmacists and Drug Store Keepers (only) in the United Kingdom.

£575 in Cash Prizes

As per Particulars hereunder—

1st Prize, £250 Cash

2nd PRIZE, £100 CASH.
3rd PRIZE, £50 CASH.
4th PRIZE, £25 CASH.
10 PRIZES of £10 each.
50 PRIZES of £1 each.

SPECIAL OFFER—Every Registered Entrant who sends us remittances with his orders during the Competition will receive, at the close of same, a parcel containing—

1 doz. 3½d. pkts. of Enolin Hair Powder for Dry Shampoo.
1 doz. 3½d. pkts. of Enolin Hair Powder for Wet Shampoo.
½ doz. 7½d. tins of Enolin Tooth Powder.
¼ doz. 1/3 tins of Enolin Tooth Powder.

Value 14/6, Carriage Paid.

This Trade Competition is to run concurrently and in conjunction with a Public Competition commencing 15th April, 1921, full details of which will be extensively promulgated through the medium of the Daily Press.

ONLY CONDITION OF ENTRY.

Signify your willingness to exhibit the Enolin Competition Bill in your window, or other prominent position in your establishment, by writing us to this effect. Directly your letter is received an acknowledgment of Registration will be forwarded to you, which please preserve until the close of the Competition.

N.B. (We reserve to ourselves the right to refuse registration in those cases where we have reasonable grounds for objection.)

All orders from "New Accounts" must be accompanied by Cash or usual Trade references.

The First Prize will be awarded to the Registered Entrant whose name appears on the card winning the First Prize in the Public Competition. In the absence of such name on this card, the First Prize will be awarded to the Registered Entrant whose name appears on the card giving the nearest solution to the correct one. The Second and other Prizes will be awarded in the same manner in strict rotation. If, for example, the First, Second and Third Prizes of the Public Competition were won by persons not having sent their attempts on cards bearing a Registered Entrant's name, and the Fourth had, the Fourth would correspond to the First Trade Prize.

It will thus be readily understood that all Prizes must be won.

The Allocation of Prizes. This service will be carried out on our behalf by an eminent firm of Chartered Accountants, whose decision shall be final and binding on all entrants, and no correspondence can be entered into regarding the competition.

A list of the Trade Prize Winners will appear in the *Chemist & Druggist* and in the *Pharmaceutical Journal* on the 30th July, 1921.

All orders received from Registered Entrants for the duration of the Competition will be supplied with ENOLIN Competition Cards, in the proportion of one card to each large tube and one card for every two small tubes.

For every large tube of ENOLIN sold (or for every two of the small size) a card should, in your own interests, be handed to the purchaser after having filled your name and address in the space reserved for it.

It will thus be obvious that the more cards you distribute (*bearing your name and address*) the more chances you have of securing one or more valuable prizes.

Orders will be executed in strict rotation.

THE PRIZES IN THE PUBLIC COMPETITION ARE—

1st PRIZE Value £2750
(A 35-h.p. Lancia Motor Car and £500 Cash.)

2nd PRIZE	....	£1000 Cash
3rd „	....	£250 „
4th „	....	£100 „
5th „	....	£50 „
6th PRIZE	....	£25 Cash
7th „	....	£10 „
8th „	....	£5 „

150 PRIZES of £1 each
and 3000 Toilet Requisites Prizes, value 4/3 post free.

A. & E. CARRERAS, 207 King St., Hammersmith, London, W.6.

Maw's Page

April 9, 1921 No. 495

Here is another Suggestion

Put on your hat, go outside your shop and take stock of the goods in your shop window. Write them down in black and white. Now take each item on your list and ask yourself—

1. Will this line bring repeat orders with certainty and thus help me to secure increased profits?

2. When I sell this line is future business certain to come to me, or am I building increased profits for my outside competitors?

Here is a guide to an intelligent policy in dressing your window. You pay a high rent for your window, see that it pays good dividends in return. Don't put anything into your window that will serve to increase the prosperity of outside competitors. Confine yourself to lines that are sold to the chemist only.

You may safely fill your window with Maw's Goods. Maw's Quality makes repeat orders certain, and Maw's Goods are sold to the chemist only.

Telephone: City 7 Private Branch Exchange

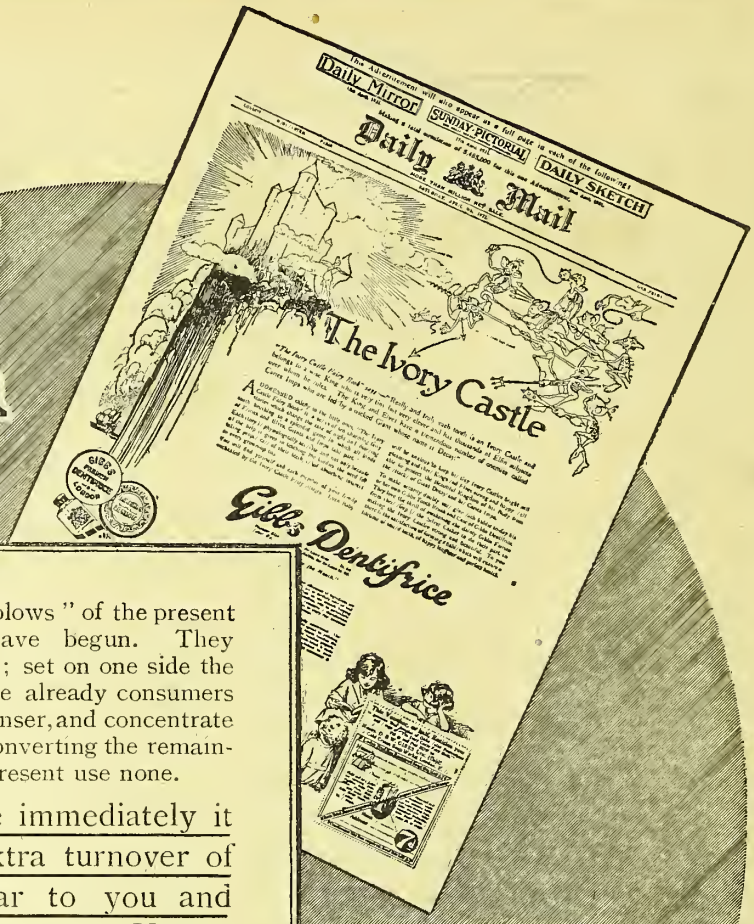
Telegrams: Eleven Cent London

S. Maw, Son & Sons, Ltd.
Aldersgate St., London.
and Barnet.

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

Gibbs Big Push



THE "sledgehammer blows" of the present Gibbs Campaign have begun. They forsake hackneyed paths; set on one side the 2½-million people who are already consumers of some kind of tooth cleanser, and concentrate their whole strength on converting the remaining 40 millions who at present use none.

Could this be done immediately it would mean an extra turnover of £1,600 in one year to you and every other chemist in the United Kingdom, in dentifrice and tooth brushes alone.

The tremendous driving force of Gibbs "sledgehammer blows" will convert a big proportion of the unattached 40 millions. Harness that force and turn it to your own benefit by inducing the *new* consumers to come to you for their supplies. A window display or counter display of Gibbs lines will do this.

Put your advance copy of Gibbs "Daily Mail" front-page advertisement in your window, as it tells the public how to get the Ivory Castle Fairy Story Book.

This book, supplied free to every user of Gibbs toilet preparations, consists of a series of ten charming fairy stories, and approaches Dentifrice advertising from an entirely new point of view; that of helping the parent or teacher to instil the *habit* of oral hygiene as a pleasant instead of an irksome task for their children.

That an impetus will be given to Gibbs sales is a mathematical certainty. Don't be caught out of stock!

Whole Pages in Daily Mail Sunday Pictorial Daily Mirror Daily Sketch

D. & W. GIBBS, LTD.
(Dept. S4),
City Soap Works,
London, E. 1.

Where Quality Reigns Supreme

OUR WEEKLY MESSAGE.

Ladies of the classes seldom purchase Perfumery that is not French. They strongly resent discovering that a preparation bearing a French name is in reality made elsewhere. French Perfumery properly introduced, sells freely at high prices. The 10½*d.* Poudre DE LUZY has a specially forcible appeal, because besides being really French and really good, its price is within the reach of every woman. Introduce this and cultivate the "French" habit with your clients—later they will buy more expensive French Perfumery and earn you good extra profits.

* * *

BETTER DISPLAYS

in half the time, with half the stock, by using

Astral Stands

Collapsible oxydised copper frames, complete with perfect fitting polished plate-glass shelves.

No.	High						Each
1.	8″	3 shelves,	9×3,	11×3½,	13×4″	...	14/-
2.	12	,,	,,	,,	,,	...	16/6
3.	19	4 ,,	9×3,	11×3½,	13×4, 16×4½″		26/-
4.	25	,, ,,	,,	,,	,,	,,	28/6

ORDER a SMALL RANGE TO-DAY

POUDRE DE LUZY

A Ready Seller in a Dainty Distinguished Packing.

10½d., 1/9, 3/6, P.A.T.A. less 33⅓ %. Bonus terms for quantities.

Try 3 Dozen 10½d. Size.

W·H·CALNAN & Co LTD.
30-32 LUDGATE HILL, LONDON, E.C.4.

Reduced cost of Shaving!

MIDGLEY'S EMOLLIENT CREAM. SHAVING STICK

WILL AS FROM APRIL 1st BE SOLD AT

1/3 RETAIL **10/9** DOZEN

For the FULL SIZE STICK contained in NICKELLED CASE & ILLUMINATED CARTON

REFILLS — same size — but packed in illuminated carton only—*sine* case

11D. RETAIL **8/-** DOZEN

BONUS REMAINS THE SAME

½-dozen Refills free with each 3 dozen order of Standard or Assorted.

EVANS SONS LESCHER & WEBB LIMITED

LIVERPOOL & LONDON.

AYRTON'S WEEKLY PAGE 15

AYRTON, SAUNDERS & Co. Ltd. LIVERPOOL XL
DEUS NOBIS HÆC OTIA FECIT DOMINE DIRIGE NOS

Reporting Progress

We are glad to say we are now more or less comfortably settled down in our temporary premises at 58 Hanover Street, and are ready to execute promptly orders for Drugs, Chemicals and Sundries (all practically complete). *Patent Medicines* we cannot handle at the moment, not having the space at our disposal.

With respect to our Packed Goods business we are daily adding line after line. We are not yet ready to fill all orders for our usual *Packed Goods* owing to our extensive *Printing Plant, Blocks, Electros, Labels, Wrappers and Showcards* being destroyed, every day, however, means the replacement of several lines, and we are hoping in the course of a few weeks to be able to fill most orders.

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **58 Hanover Street, LIVERPOOL**

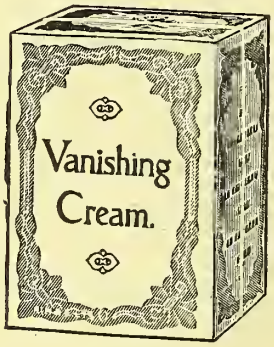
Hovenden's Toilet Preparations.

Attractive in Appearance, Reliable in Quality and Delicately Perfumed.

SEASONABLE **SALEABLE**

Suitable for High-Class Trade.

Bear our Trade Mark as a Guarantee of Quality.



WHITE.
No. 4764. 2-oz. size.
13/- doz.

No. 4766. 2-oz. size.
13/- doz.

No. 4765. WHITE. **13/-** doz.
No. 4768. 2-oz. size. PINK (Non-Greasy). **13/-** doz.

THE LATEST POPULAR SERIES.

Invaluable for all Toilet Purposes.

No. 4767. 2-oz. size.
13/- doz.

CHAMOMILE,
CHAMOMILE & ROSEMARY, PINE.
No. 4747. 7 packets in carton.
12/- doz. cartons.

Any article on this page can be supplied with Customer's Name and Address, in 1 gross quantities, FREE OF EXTRA CHARGE.

Each in Artistic Carton with Transparent Covering.

ASSORTED PERFUMES.
No. 4762. 2-oz. size.
12/6 doz.

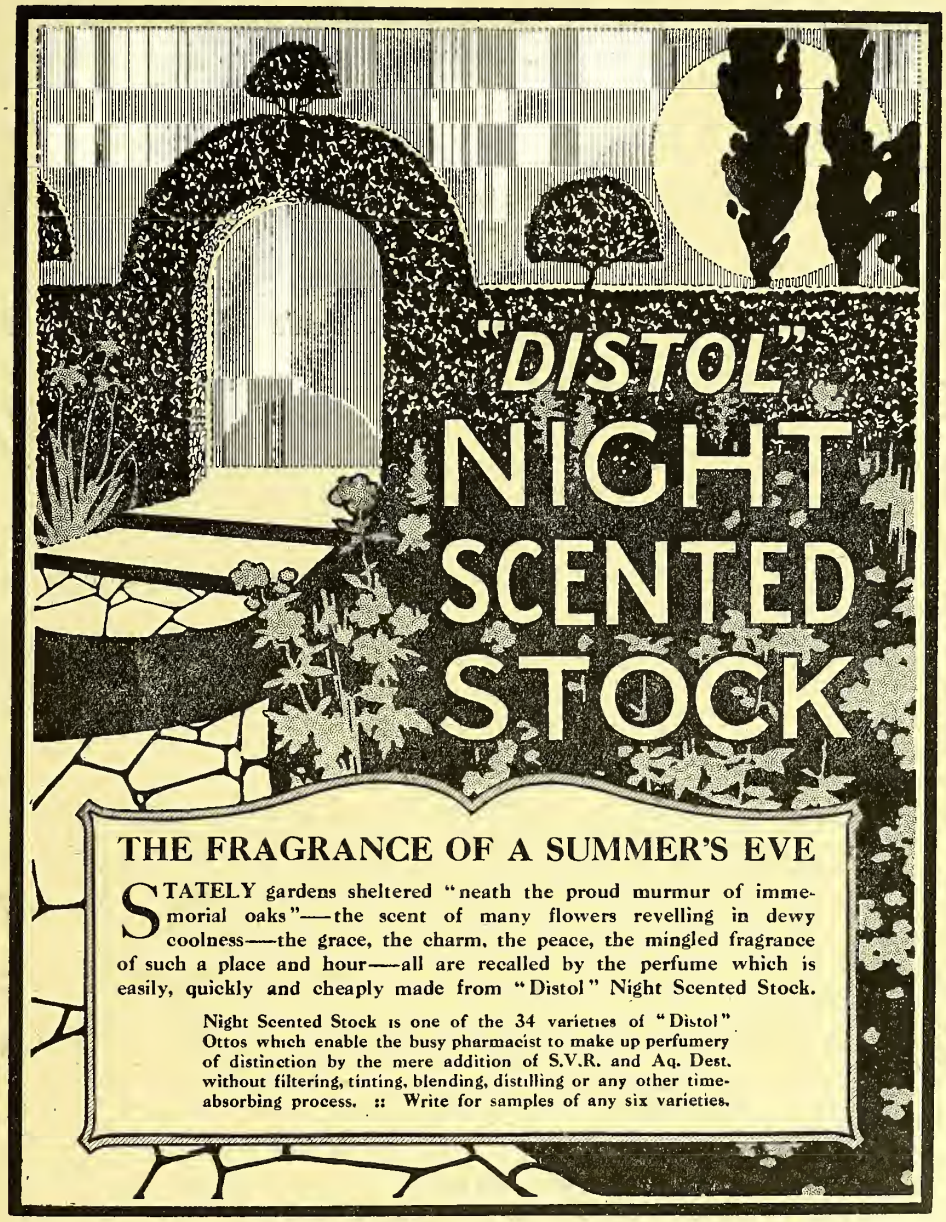
SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

Subject to 2½ per cent. Cash Discount.
A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Limited

89, 91, 93 & 95 City Road, Finsbury, E.C.1. Tel. No.: Clerkenwell 1260 (2 lines); and
29, 30, 31, 32 & 33 Berners Street, Oxford Street, W.1. Tel. No.: Museum 2810 (3 lines) **LONDON.**

Factory, 41 to 53 Britannia Row, Islington, N.



THE FRAGRANCE OF A SUMMER'S EVE

STATELY gardens sheltered "neath the proud murmur of immemorial oaks"—the scent of many flowers revelling in dewy coolness—the grace, the charm, the peace, the mingled fragrance of such a place and hour—all are recalled by the perfume which is easily, quickly and cheaply made from "Distol" Night Scented Stock.

Night Scented Stock is one of the 34 varieties of "Distol" Ottos which enable the busy pharmacist to make up perfumery of distinction by the mere addition of S.V.R. and Aq. Dest. without filtering, tinting, blending, distilling or any other time-absorbing process. :: Write for samples of any six varieties.

THOMAS KERFOOT & Co. Ltd.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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"The Real Thing."

The following dialogue took place recently at a pharmacy in the Midlands.

Enter Maternity Nurse: "A bottle of Lysol, please."

(Mr. Chemist hands her a 4-oz. MARSHALL'S "L" Brand.)

Nurse: "Have you not a larger one?"

Chemist: "Yes"; and offers an 8-oz. substitute.

Nurse: "No, thank you! I want a large one of the 'L' Brand—MARSHALL'S, as I find that the most satisfactory."

If you stock only MARSHALL'S "L" Brand BRITISH LYSOL you give your customers no possible chance to question the quality of your service or your goods.

"L" Brand BRITISH LYSOL is made by

LYSOL, Ltd., Raynes Park, London, S.W.20

A SEASONABLE LINE with a MARKED INDIVIDUALITY

RUBY CORN PLASTERS

THEY are smartly packed in convenient pocket-size tins on attractive showcards.

THEY retail at a reasonable price, and still show a substantial profit to the retailer.

THEY literally dissolve corns, and consequently sales are continually increasing.

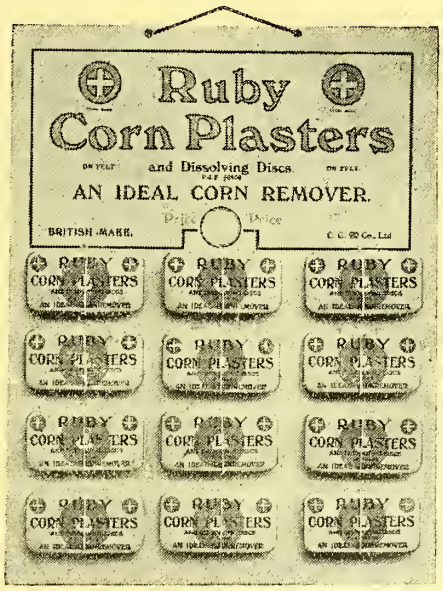
THEY give infinite satisfaction to both retailer and user.

Price - - - 4/- per doz.

Mounted on an attractive showcard, *as illustrated.*

CUXSON, GERRARD & CO., LTD.

OLDBURY, near BIRMINGHAM.



ESSENFLOUR PRODUCTS LTD.

MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
CINNAMON BARK OIL
CINNAMON LEAF OIL (a Speciality)
CLOVE OIL B.P.
DILL OIL (East Indian)
EUGENOL
GINGER OIL
NUTMEG OIL
PATCHOULY OIL
VETIVERT OIL (S. Indian)

Sole Agent for Europe—

K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1

and 29 Corporation Street, MANCHESTER.

1

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

Branch Office in Sofia.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

WIRE CORKSCREWS

Gilt, Nickelled, Coppered, Lacquered

for Eau de Cologne, Medicine Bottles, Ink, etc. Also

Advertising Corkscrews

With wood sleeves, nickel and celluloid, and with wood handles.

BEST QUALITY. BEST PRICES.

Samples and prices on request.
Send your samples and let me quote.

A. F. TIMSON, 6 Rue Mathilde-Courbevoie (Seine), FRANCE.

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C. 3.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."

ROSE & CO.

Our Agents for Scotland, Northern Part of England, and Ireland are:

Brillantine-Chlorophyll

THE ONLY COMBINATION.

Write for SAMPLES and QUOTATIONS.

W. Caig, Mitchell & Co., 234 Sauchiehall Street, Glasgow.

HAARLEM - HOLLAND.

ESSENTIAL OILS

Synthetic and Artificial
PERFUMES

Parfums sur Fleurs I
Essence of Flowers "Lyflor"
Extracts of Flowers No. 2000

SOCIÉTÉ FRANCAISE DE PRODUITS AROMATIQUES
(Anc. Etabl. GATTEFOSSÉ)
13 Rue Camille - LYON (France)

Agents for United Kingdom:
FORWOOD & DONALDSON,
26 Ropemaker Street, Finsbury, London, E.C. 1.
[3]

INSECT FLOWERS

(Japanese Best Quality).

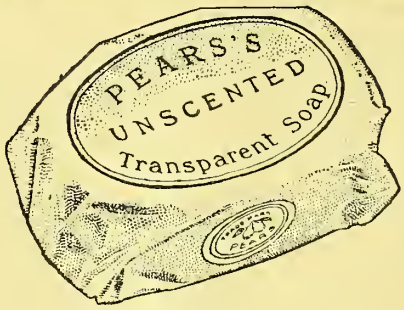
1919 Crop was only 50 % of that of 1918, and present prices are 400 % higher than 1918. 1920 crop to be harvested May-June is estimated 20 % below that of 1919. If demand continues as at present, the present unprecedently high price will be exceeded.

We have shipped hundreds of tons with unanimous satisfaction to our customers.

Cable us your inquiries.

We are an all British - American firm, specialising in business that ensures satisfaction.

The Mutual Traders,
24 Nakayamate-dori, 2 chome,
KOBE, JAPAN.
Cable Address—"Simsland." [7]



Pears' Advertising is scientifically distributed to appeal to the largest number of possible customers. This helps you considerably.

Pears

A. & F. Pears, Ltd., 71-75, New Oxford Street, London, W.C. 1.

CARRIAGE PAID
ANY AMOUNT—ANYWHERE.

Brillantines, Hair Creams, Bay Rhums, Vanishing Creams, Glycerine and Cucumber, etc. etc.

French Face Powders, Soaps, etc. Puffs, Manicure Requisites, Tooth Brushes, etc.

A NEW LINE!

Crystal Brillantine

Beautifully packed in 3-oz. bottles, fitted with Sprinklers, Transparent Labels.

9/6 per doz.

Produced in SIX Elegant Colours.

THE ABBEY COMPANY, Ltd.

4 Clerkenwell Green, E.C. 1.

Telephone No.: Central 9693. Telegrams: "Abbefumery, Smith, London."

"L'ABEILLE"
(THE BEE)

MARSEILLES SOAP

White Castile

Green Olive Oil

Conforming to requirements of B.P. for Sapo Durus.

Indispensable for Toilet Purposes, Baby's Bath, Shampoo, Hospitals, Nursing Homes, and for washing Silks and Woollens.

During the whole of the late war "L'ABEILLE" SOAP was supplied to the "Croix Rouge Française"

Guaranteed Neutral and Pure by

HONORÉ COURT DE PAYEN, MARSEILLES,

Prompt Deliveries from Stock. **Established 1750.**

Sole Distributing Agents for U.K.—

SOUTH LONDON MANUFACTURING CO., LIMITED,
90 & 92 Clapham Park Road, London, S.W. 4.

Telephone: Brixton 2770. Price List on Application.

£5.0.0

will be given to the CHEMIST sending us the largest number of Coupons from any one shop by MAY 1st, 1921.

WE are distributing thousands of sample boxes of "Royal Seal" throughout the United Kingdom through our advertisements. With every box we are enclosing a 6d. coupon which entitles the holder to purchase from a chemist a 1/6 jar of

Royal Seal

THE BEST OF ALL HAIR RESTORERS

for one shilling in cash and one 6d. coupon. This will mean a big demand at your shop. All coupons will be redeemed by us and postage refunded at any time.

"Royal Seal" Pomade sells at 1/6 a jar. Wholesale terms 12/- per doz. It is without doubt the best value in this line on the market. In order to introduce it we will send 1 doz. jars, carriage paid, on receipt of P.O. or Cheque for 12/-. Attractive Showcards and Window Slips sent with each order. Immediately upon receipt of your order, we will arrange for your name to appear in your local paper.

P. H. GALLOWAY, Ltd.
154 WALWORTH ROAD, LONDON, S.E. 17.
Sole Agents for Messrs. Jules Freres, Ltd., London & Paris.

BE SURE AND ADD

La-Rola

Rose Bloom

TO YOUR STOCK AT ONCE,

as it is being largely advertised in the "Daily Mail," "Mirror," "Sketch," etc.

Do not lose the business through being out of stock.

It is the most natural tint on the market, and is selling well wherever introduced.

Lait La-Rola & Glycerine & Cucumber
supplied as usual.

All these articles are protected at FACE VALUE. Write for Display Terms and save 10%.

M. BEETHAM & SON, Cheltenham.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calle Salta 264, Buenos Aires.

Pediculus Capitis

At the urgent request of several Medical Officers of Health, we undertook to produce a Shampoo Soap in tablet form that would instantly destroy Vermin and Nits found in great abundance on the heads of millions of children of the poor attending elementary schools in this country, and also to ensure that the Nits were at the same time eradicated by the simple operation of washing. This Soap we have now perfected, and can guarantee that after the first or second operation of Shampooing has been performed children's heads may be kept perfectly free from both the Vermin and Nits by washing the head once a week with our "DERBAC" SOAP and without the slightest injury to either skin or hair.

Tests have been carried out under the supervision of the Medical and Nursing Staff in one of the largest school clinics in this country with complete success.

"DERBAC" SOAP is sold at **6d.** and **1/-** per tablet.

Write for fuller particulars and Trade Price List.

SAPON SOAPS LTD., 24-25 KING WILLIAM STREET, LONDON BRIDGE——E.C. 4

FOR LARGE BUYERS.

LIME CREAMS

ALSO

Shaving Sticks, Tooth Powders, Dental Creams, Vanishing Creams, Shampoo Powders, Pomade Hongroise, Brilliantines, Dry Shampoo (Liquid), Bay Rhums, Toilet Paraffins, and all Toilet Goods.

LOW PRICES for HIGH QUALITY.

C. A. STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,

11 ECLIPSOL WORKS, BRISTOL.

"Newbery's"

FRANCIS NEWBERY & SONS LTD

COMPLETE RANGE OF

Packed Pharmaceuticals, Toilet Preparations, "Own Name" Packed Goods.

SUNDRIES—

Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY & Sons, Ltd.

LONDON & CARDIFF.

JOHNSON'S
BABY SOAP.

The Companion to the World-known Antiseptic Toilet and Baby Powder

It is a perfectly bland, neutral soap, suited for either babies or grown-up people. It may be used in the same manner as an ordinary toilet soap with absolute confidence. The most delicate skins are those of the new-born baby or very young child. Johnson's Baby Soap originated in a desire by physicians and nurses for a soap suitable for the baby's skin.

BRITISH MADE.

Packed 3 tablets in box. Price 8/- per doz. tablets.

JOHNSON & JOHNSON, New Brunswick, **NEW JERSEY, U.S.A.**

Agents:

JOHN TIMPSON & CO., Ltd. 104/106 Golden Lane, **LONDON, E.C. 1**

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale:
26/-
PER DOZEN.

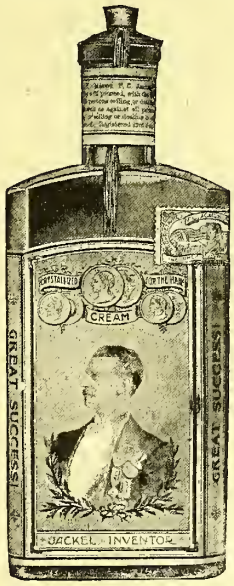
TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale:
42/-
PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere
Established 1883.



CRYSTALLISED
1/9 CREAM 2/6
Trade Mark attached to each bottle.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd.,
Sauchiehall Street
GLASGOW.

There are many cheaper Creams than Tokalon —but your Customers don't want them. There may be better Creams than Tokalon —but just try to find them!

CRÈME TOKALON

PRICES 1/6 & 2/6

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon cream and powder to your customer **the first time**, but from then onward **they sell themselves.** After once testing these remarkable products the customer will not feel satisfied with any others.

Why it is that Mme. Bernhardt finds Crème Tokalon so different from all others.

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

COMPLEXION PERFECTION is merely a matter of using CRÈME TOKALON

(Pronounced Toke-a-lon)

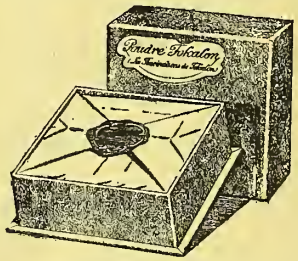
What Mme. Sarah Bernhardt says about

CRÈME TOKALON & POUDRE TOKALON.

One of the hardest of workers and subject to a constant and far greater nervous strain than falls to the lot of most women, this wonderful artiste possesses a complexion which is the envy of many women half her age. As a regular user of our cream and powder for many years. Mme. Bernhardt has written us a letter of which the following is an exact translation :—

"I appreciate Crème Tokalon for its surprising qualities in rejuvenating the skin and rendering it soft and supple. I love very much the Poudre Tokalon because it adheres so well and is so extremely fine. A light application of this powder over Crème Tokalon gives to the skin an astonishing appearance of youth and an exquisite velvety surface." Sarah Bernhardt

POUDRE TOKALON



PRICES 1/11 & 2/11.

In compressed form (Comprimes) **1/6** each.

Our goods, bought on best terms, show you 57 % PROFIT on your Outlay.

Showcards sent free on request.

Carriage Paid on all Orders for 3 doz. or over.

Why it is that Mme. Bernhardt finds Poudre Tokalon so different from all others

The extreme fineness of Poudre Tokalon, as mentioned by Mme. Bernhardt in her letter, is produced by the "air-floating" process which we use exclusively in manufacturing the powder.

YOU SHOULD ALWAYS KEEP THESE TWO QUICK-SELLING LINES IN STOCK.

TOKALON LIMITED, 212-214 Great Portland Street, London, W.1

MOORLAND PHARMACY SERVICE

W.B. Cartwright, Ltd.

RAWDON NEAR LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.

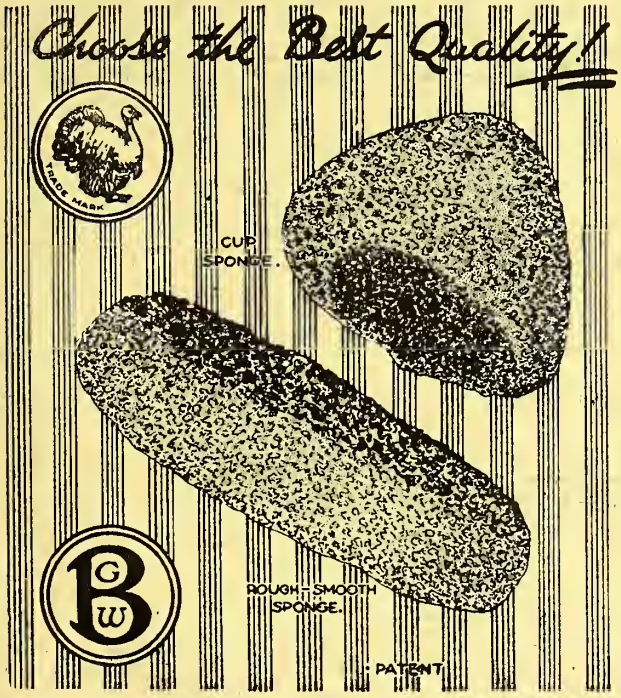
We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have ***the*** line we can create ***the*** market for you.

ADDRESS
PUBLICITY DEPT.

MOORLAND
PHARMACY SERVICE



BELDAM
PURE RUBBER "TURKEY"
SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sole Selling Agents

MOORLAND PHARMACY SERVICE

W·B·CARTWRIGHT LTD.

RAWDON Nr LEEDS

Packed out with Orders for Packed Goods

IT is not accident or just mere luck that our works are at full pressure, when so many houses are complaining of slackness in trade. We have been compelled to ork overtime to cope with ever - increasing demands upon us. Chemists are more than ever realising it does not pay to pack their own specialities, and are alarmed and worried at the size of their patent account; rightly deciding the only way to combat this is to push their own specialities—**They come to us.** Can we assist you ? We pack everything necessary to a chemist's business. Give us your enquiries. Let us know your wants, and **we do the rest.**

Write for our Illustrated Catalogue, and always remember that

"SPUN" Ointments are used the World over.

ROBERT BLACKIE, *Wholesale Manufacturing Chemist,*

Shen Works, Tower Bridge Road, LONDON, S.E. 1.

Telegrams: "Ushenspuna London."

Telephone: 2415 Hop.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small	28/- doz.	3/6
Medium	48/- „	6/-
Large	168/- „	21/-

Usual Trade Terms.

PRODUCT OF

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

APENTA

The Best Natural Aperient Water.

For the Treatment of

Biliousness, Hepatic Disorders, Gouty Conditions, and Habitual Constipation.

Minimum Retail Prices: **2/6, 2/-, 1/-** - *To the* Retailer: Doz., **24/-, 18/-, 9/-**

APENTA

Write for Particulars.

The APOLLINARIS Company, Ltd., 4 Stratford Place, London, W. 1.

TOMLINSON & HAYWARD, Ld.

Established 1842. **LINCOLN.**

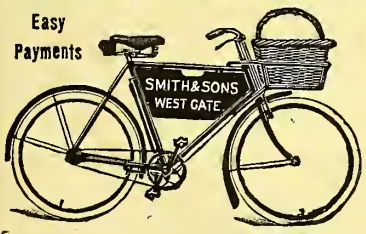
WATERGLASS
HAYWARD'S DIPS
EUREKA WEED KILLER
SEED DRESSINGS, &c. &c.

SPECIAL PACKING. *OWN NAME.*

WRITE FOR PARTICULARS.

The finest investment you can have, for the advertisement is worth the cost of the bicycle.

Easy Payments



DUNLOP TYRES

TWO STRONG BRAKES

WHEELS 26 × 1¾

WRITE FOR LIST

MOHAWK CYCLE CO., LTD.,
825 ALEXANDRA ROAD, HORNSEY, N.

Actual Size.

FACILE PRINCEPS

In
QUALITY
STYLE
and
PRICE

5/- per doz. (3 doz. at **4/9**)

British Made Throughout

This leading Manicure Line is Exclusively made by

SOLPORT BROTHERS, LTD.,
184-190 GOSWELL ROAD, E.C. 1.

And is obtainable from all Wholesale Chemists and Hairdressers' Sundriesmen.

An established favourite and ready seller.

"DUCHESS"

ASSORTED

TOILET SOAP

4½d. Tablets.

PRICE PROTECTED. NO CUTTING.

SALE RESERVED
exclusively to Chemists

Ask us to quote for your "Own Name" soap. We can please you in quality and price. Samples free.

ERASMIC Perfumers WARRINGTON.

ORISAL

"The" Remedy for Pyorrhœa.

"Good luck to you; you have a good thing."—*Extract from letter of very pleased user of Orisal.*

We ask Retailers to share the luck and good thing.

PRICES

	Wholesale (Including Government Duty)	Retail
Dental Paste ...	22/- per doz.	2/6 per tube
Mouth Wash	44/- & 27/- „	5/- & 3/- per bottle
Dental Tooth Powder	18/- „	2/- (large size)
Special Brush ...	24/- „	2/6

Of Wholesalers, or direct from

ORISAL LIMITED,
77 George Street, Portman Square, W.1.
Telephone: Mayfair 2899.

STRODONIA Vanishing Cream.

NOW SUPPLIED IN
ALUMINIUM SCREW-CAPPED JARS.

10½d. size—7/6 doz. 1/3 size—10/6 doz.

FROM LONDON WHOLESALERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to ½-doz. 1/3 size Bonus for window display, net.; £1/10/0 subject to ¼-doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

IMPORTANT SWISS FIRM, Old-Established

LOOKS FOR **AGENCIES** *FOR*

Medicinal Extracts,
Tinctures and
Pharmaceutical Specialities

FOR THE UNITED KINGDOM.

Applicants, exclusively such who are thoroughly acquainted with the lines and disposing of suitable connections, also offering the necessary guarantees respecting consignment to apply to—

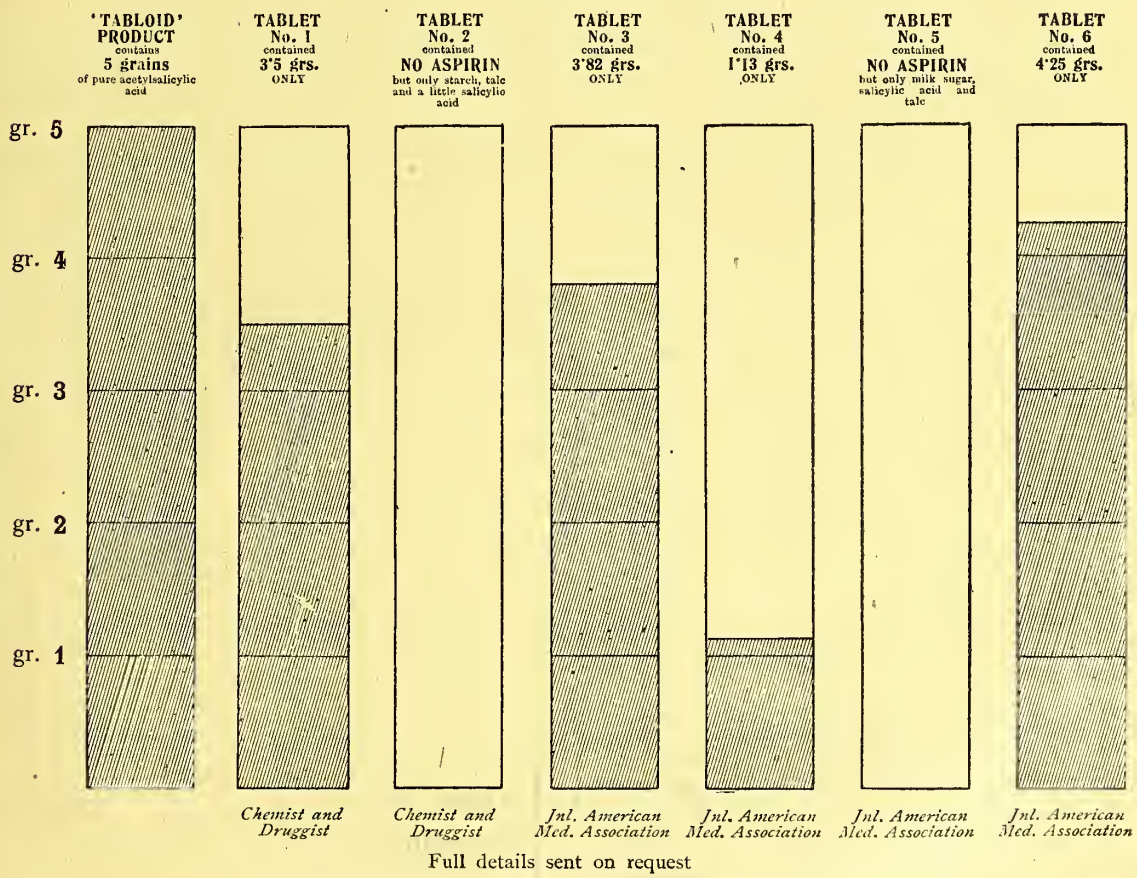
Box 36/65, Office of this Paper.

The diagram below demonstrates forcefully the necessity for extreme caution in regard to compressed tablets of aspirin. You can make sure that you are selling products of the utmost purity, accuracy and reliability, by relying upon

TRADE MARK 'TABLOID' BRAND

ASPIRIN

Diagram shows deficiencies of Aspirin found on analysis of six makes of Compressed Tablets (each claiming to contain 5 grains of Acetylsalicylic Acid) as compared with 'TABLOID' ASPIRIN, which contains the precise stated weight of the pure medicament.



Full details sent on request

'Tabloid' Aspirin, gr. 5 and 0·5 gm., in bottles of 25 and 100

BURROUGHS WELLCOME & CO., LONDON

G 975

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British Dyestuffs Corporation Limited

TRADE BDC MARK.

Manufacturers of

Pharmaceutical & Photographic Specialities.

Sales Office:
70 Spring Gardens, Manchester.

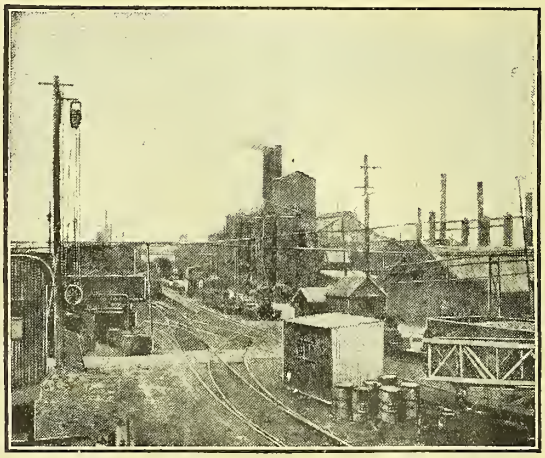
Works: Ellesmere Port, Huddersfield, Manchester.

'Ialine' Disinfectants

Also
FLUIDS
containing
10 — 80 %
Tar Acids.

High Co-efficient FLUIDS
up to 18—20
Rideal-Walker
Method.

LYSOL SHEEP DIP
Approved by the Board of Agriculture for Sheep Scab.



Coal Tar and Ammonia Products

Benzols, Toluol, Solvent Naphthas, Carbolic and Cresylic Acids, Creosote and Fuel Oils, Pitch, etc. etc. Timber for Dock and Harbour work. Deals, Battens, Boards, Floorings, etc. Railway Sleepers and Crossing Timbers, Telegraph Poles, etc. etc. Saw Millers and Timber Preservers.

Burt, Boulton & Haywood, Ltd. Salisbury House, London Wall, E.C. 2

Telegrams: "Burboul, Ave, London." Cables: "Burboul London."
Codes: A B C (5th Edit.); Lieber's; Western Union; Bentley's.

CARBOLIC POWDERS
CREOSOTE POWDERS
CO-EFFICIENT POWDERS
PINE OIL POWDERS
PINE OIL FLUIDS
PINE OIL BLOCKS
NAPHTHALENE BALLS
" CANDLES
" TABLETS
" FLAKE
" BLOCKS
" POWDER
LIQUID SANITARY SOAP
WOOD PRESERVATIVE,
Etc. Etc.

THE CHEMIST AND DRUGGIST

ESTAB 1859

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

Subscription Rate. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy 9*d*. post free; *Diary*, 10*s*. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20*s*., franco

Il prezzo dell abbonamento annuo è di 20 sc. franco, e s'intende per un numero settimanale del periodico, ed un esemplare del diario annuale.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

Terms for Advertising may be obtained on application to the Publisher.

HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

BRANCH OFFICES: { 49 County Buildings, Old Millgate, MANCHESTER. MELBOURNE and SYDNEY, AUSTRALIA.

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British Pharmaceutical Conference.

BRIDLINGTON.—The Bridlington chemists are inviting the members of the Conference to visit their town on June 17. The Mayor has kindly consented to welcome them, and all the municipal entertainments will be placed at their disposal.

SCARBOROUGH.—At a meeting of the local Committee held on March 31, Mr. George Whitfield presiding, Mr. H. R. Allanson was appointed to the excursion committee and Mr. W. H. Turner to the entertainments committee. It was also decided to ask visitors to the Conference who wished to book rooms at headquarters, the Grand Hotel, to do so in good time, as rooms cannot be reserved unless booked early.

WHITBY.—A representative meeting of the Whitby chemists was held recently, at which were present: Mr. John Brooks, Mr. I. Brand (Mrs. S. L. Smith & Co., Ltd.), Mr. W. Ruff, Mr. F. Falkingbridge, Mr. Charles Tindale, and Mrs. and Miss Mason. It was unanimously agreed to ask Sir Richard Robinson to welcome the members of the Conference on the occasion of their visit to the town from Scarborough on June 16. The chemists also agreed to do their utmost to make this visit a success.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Retail Pharmacists' Union.

Referring to the election of the Executive Committee, the results of which were announced in the *C. & D.*, April 2, p. 60, letters of thanks for support have been received from Mr. Joseph W. Adamson (Colwyn Bay), Mr. Hubert J. Martin (Christchurch), Mr. H. E. Matthews (Bristol), Mr. J. E. French (Sittingbourne), Mr. Donald G. Pout (Worcester), Mr. Clement W. Ridyard (Codnor), and Mr. Arthur E. Young (Leicester).

Miners' Strike.

A strike of miners began on April 1. The Board of Trade has issued Directions, on similar lines to those published during the last strike of miners (*C. & D.*, II., 1920, p. 1471), for the restriction of coal-consumption and of lighting. Industries and businesses will be restricted to 50 per cent. of their normal consumption, subject to a discretion in the local authority to permit a larger consumption where it is in the public interest to do so. Where the industry or business is of a kind that cannot be properly carried on with the restrictions generally required, the normal consumption may be continued for two weeks, so long as it does not involve the use of more than half of any stocks of coal in hand at the commencement of the emergency. At the expiry of the first fortnight, or upon the exhaustion of half the stocks in hand, further consumption may only take place after a permit has been obtained from the local authority, and a permit is also required before any fresh coal may be supplied or acquired for industrial purposes. Lights for advertisement and display are prohibited, and any extravagant consumption for light, heat, or power may be met by cutting off supply. The full text of these Directions, which came into force on April 2, is given in "The London Gazette" of April 5. The text of Regulations made under the Emergency Powers Act, 1920—Regulations conferring powers on various Government departments with reference to transport, mines, power-supply, and other matters—is also given in the same issue of "The London Gazette." Reduced services have been announced by most of the principal railway companies.

London Chemists' Retail Price List.

The following are among the alterations in the April issue of the London Chemists' Retail Price List:

Drugs.—Ac. oxal., coml., 3*d*. oz.; argent. nit., 3*d*. 10 gr.; camphor. flor., 10*d*. oz.; lin. iodi, 1*s*. 2*d*. oz.; lin. methyl. sal. co., 1*s*. 6*d*. oz.; menthol, 10*d*. drm.; menthol snuff, 5*d*. drm.; ol. caryoph., 1*s*. 9*d*. oz.; ol. colzæ, 7*d*. oz.; ol. junip. lig., 1*s*. oz.; ol. olivæ sub., 4*d*. oz.; pot. sulphurat., 5*d*. oz.; santonin., 4*d*. gr.; sulphur. sub., 3*d*. 4 oz.; tinct. digit., 9*d*. oz.; tinct. scillæ, 8*d*. oz.; tinct. strophanthi, 1*s*. 1*d*. oz.; ung. ac. carbol., 4*d*. oz.; ung. galæ c. opio, 9*d*. oz.; ung. hydrarg., 6*d*. oz.; zingib. Jam. pulv., 7*d*. oz. *Photographic Section.*—Hydroquinone, 1*s*. 3*d*. oz; magnesium powder, 2*s*. 6*d*. oz.; pot. ferricyanid., 9*d*. oz.; sod. hyposulphite, 9*d*. lb. *Veterinary Section.*—Glycyrrhiz. pulv., 2*s*. 8*d*. lb.; myrrh. gum. pulv., 9*s*. lb.; ol. carbol., 2*s*. 9*d*. pt.; ol. morrh., 2*s*. 1*d*. pt., 13*s*. 6*d*. gall.; ol. ricini, 1*s*. 10*d*. pt., 12*s*. gall.; resina, 1*s*. 9*d*. lb.; sulph. sub., 10*d*. lb.; tr. rhei co., 7*s*. 11*d*. lb.; ung. hydrarg., 7*s*. lb.

Industrial Protection.

Mr. G. E. Pearson, the general manager of Burroughs Wellcome & Co., expresses in "The Times" approval of the proposals for industrial protection in the Safeguarding of Industries Bill. He adds that the Customs duty of 33⅓ per cent. was less than the trade had hoped for. The trade expectation had been that it would be at least 50 per cent., and whether the duty proposed would prove high enough to meet the needs of the case only experience could show. Mr. Pearson claims that the adverse conditions which he foresaw in 1918 have since become realities, and the competition from Germany and other countries

is now such that unless the fine-chemical industry obtains some assistance at once this country will sink back into the condition it was in before the war; that is to say, our trade in these chemicals will be carried on by brokers, and not only will a great many people be thrown out of employment, but, in the event of another war, this country will again be dependent for our supplies of vital chemicals on foreign, and possibly hostile, nations.

It is announced that fourteen manufacturers of chemical glassware in this country are closing down in consequence of German competition, and that 6,000 employees, receiving 40,000*l.* a week in wages, have been given seven days' notice. It is stated that the terms of the resolution (*C. & D.*, April 2, p. 58) are considered "totally inadequate to meet the needs of the industry. The only form of assistance that will prove successful is total prohibition of importation of scientific glassware with licensing clauses."

Poison-licence Applications.

J. & T. Trower, Ltd., seed merchants, Teddington, have applied to the Middlesex county council for a licence to sell weed-killer.

Andrew Cunningham & Son, seed merchants, Carlisle, have applied to the city council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

The application by Mansfield seedsmen for licences to sell agricultural and horticultural poisons (*C. & D.*, April 2, p. 50) came before the general purposes committee of the town council on April 1. One delegate only from each side was allowed to speak. Mr. G. A. Mallinson, secretary of the Retail Pharmacists' Union, represented the Notts County Pharmacists' Association. Mr. Mallinson, in the course of his speech, said that he was made aware of the fact that the labour party of the council had cried "monopoly." He pointed out that, besides being professional men, pharmacists are also craftsmen, and as such are entitled to union protection just as much as joiners, bricklayers, or miners. The committee decided to recommend the council not to grant the licences.

Public Institution News.

The following tenders have been accepted by the bodies named:

Chester Guardians.—Cheers & Hopley, chemists, drugs.

Clitheroe Guardians.—Mr. J. Harrison, chemist and druggist, drugs and dressings.

Dartford Guardians.—Boots, Ltd., drugs, etc.

Hawarden Guardians.—Francis & Co., chemists, Wrexham, drugs, etc.

Maidstone Guardians.—Mr. F. J. Oliver, chemist and druggist, drugs.

Mansfield Guardians.—Mr. B. Adams, chemist and druggist, drugs.

Milton Regis Guardians.—Usher's Stores, Ltd., Sittingbourne, sundries.

Newport (Shropshire) Guardians.—Mr. C. R. Picken, chemist and druggist, drugs.

St. Pancras Guardians.—Ford, Cook & Co., Ltd., B. Pratt & Co., Sangers, and T. J. Smith & Nephew, Ltd., surgical dressings; Thomas Hodgkinson, Prestons & King, drugs; Sangers, proprietary articles; J. G. Ingram & Sons, Ltd., and G. Maclellan & Co., rubber goods; S. Maw, Son & Sons, Ltd., surgical instruments.

Stafford Guardians.—J. & H. A. Averill, chemists, drugs and appliances.

Upton-on-Severn Guardians.—Mr. J. Gibbs, chemist and druggist, drugs.

Wirral Guardians.—R. Sumner & Co., Ltd., Liverpool, drugs.

Wirral Joint Hospital Board.—R. Sumner & Co., Ltd., Liverpool, drugs and appliances.

At the meeting of the St. Pancras (London) Guardians, on March 31, the hospitals committee recommended that the remuneration of Mr. G. W. Gibson, chemist and druggist, as radiographer be increased from 25*l.* to 35*l.* per annum. Major Munday said that Mr. Gibson had passed an exceptionally stiff examination in radiography. The position of radiographer was fraught with danger, and he moved that Mr. Gibson's salary be increased to 40*l.* a year. The amendment was carried.

Birmingham.

A club in connection with the local chamber of commerce has been successfully launched.

Some excellent samples of fine chemicals and pharmaceutical products, notably resublimed iodine, are to be seen in the window of a Bull Street pharmacy.

Mr. Laurance C. Tipper, of the Balsall Heath Drug Mills, presided at a recent meeting of the Birmingham Chamber of Agriculture, when a protest was made against "summer time."

Councillor Jeffrey Poole had the pleasure of nominating Mr. Austen Chamberlain on his re-election as member of Parliament for West Birmingham, and also proposed the customary vote of thanks to the Lord Mayor and the officials for their services.

Leeds.

Goodall, Backhouse & Co. have completed and brought into use an additional building. It is well equipped for the manufacture of galenicals, up-to-date machinery ensuring preparations being produced on economical lines. Mr. F. J. Simons, Ph.C., is in charge of the manufacturing laboratories.

The current issue of "John Bull" contains a letter addressed to the local medical officer of health, who, it appears, is in search of a dispenser for the Leeds Central Tuberculosis Dispensary. The following is an extract: "Candidates, it is stated, must have Apothecaries' Hall or Pharmaceutical Society qualifications, and the salary offered is 130*l.*! If any qualified chemist, male or female, accepts this 50*s.* a week job, the three recent testimonials you require will surely be certificates of good conduct while in Colney Hatch!"

Liverpool.

Heaths, Ltd., have taken up a Ucal agency.

A spell of bright and warmer weather has brought salines to the front.

Colour-scheme window-displays are winning favour. One in pale yellow catches the eye in Dale Street.

Pharmacists are among the victims of a plate-glass window-scratching perpetrated extensively in the city.

In view of a reduction in the means of public transport, arrangements were perfected early this week for extending the system of independent delivery by the wholesale houses. The previous railway strikes have left wholesalers semi-independent.

The success of the second smoking concert of the Liverpool Chemists' Association at the Adelphi Hotel, in aid of the Benevolent Fund of the Pharmaceutical Society, has put the function on a firm foundation. Mr. T. E. Neathercoat addressed an even larger gathering than assembled some time ago to hear Sir William Glyn-Jones, and the collection proved a record. The two pharmacist city councillors (Mr. Edwin Thompson and Mr. Robert Herman) were present, together with Dr. Symes, Mr. W. H. Saunders, Mr. Henry Peet, J.P., Mr. Harold Wyatt, J.P., and friends from Southport and nearer boroughs.

Manchester.

"The Lightning Dash" (The Veno Drug Co., Ltd.), another addition to the gradually increasing number of house-organs, is a quarterly publication by which it is hoped to draw the retailer's attention to the company's products and to assist him in as many ways as possible. These objects are practically demonstrated in the current issue, which also includes an account of the career of Sir William Veno, together with some racy "experiences" from his facile pen. Copies will be sent to chemists who apply.

A correspondent sends the following tribute to the late Mr. G. H. Westmacott, whose death was recorded in our last week's issue (p. 61):

Never seeking the radiance of public office outside our own craft, he was thoroughly appreciated and respected by

the older generation of business men who came to negotiate affairs on the Manchester Exchange. Endowed with a comprehensive grasp of the niceties of other tongues than our own, broadened by a sojourn in Paris, his name was known and respected by the numerous foreign merchants who visit Manchester at intervals, or were in residence there. His was the happy individuality that "modern methods" scarcely tend to develop, and a glowing example of high purpose linked with professional accomplishments of the highest order.

Sheffield.

Payments to panel chemists for the past month amount to 1,428*l.*; to doctors, under the mile-area clause, 20*l.*, being a 75 per cent. advance for the March quarter.

Business in the "dead city" (as Sheffield, with its strikers and other unemployed, has been called) appears to be fairly brisk; Insurance dispensing is above the average.

While delighted with the success of Mr. J. Gilbert Jackson in the Retail Pharmacists' Union election, regret is expressed that neither Durham nor Northumberland secured a representative on the executive.

At a recent discussion on the Dangerous Drugs Act Regulations it was revealed that several chemists refuse to make up recipes containing laudanum when intended for children; on pointing out the danger of such mixtures, the result, in most cases, is the gain of the confidence of the customer.

Miscellaneous.

Fire.—An outbreak of fire occurred at the glassworks of James Powell & Sons, 26 Tudor Street, London, E.C. 4, on April 4, considerable damage being done.

Abolition of Export List "C."—An announcement in "The London Gazette," April 1, abolishes List "C," which comprised all goods not included in List "A" or "B."

Leaseholders' Meeting.—Under the auspices of the London and Suburban Traders' Federation a meeting will be held at Australia House, Strand, W.C., on April 18, at 7 p.m., to protest against the refusal of the Government to adopt the recommendations of the Select Committee on Business Premises, and to demand as an alternative the immediate introduction of permanent legislation on the lines of the Town Tenants' Bill. The presentation of a business card will secure admission.

Poisoning.—The Paddington coroner held an inquest, on April 2, on the body of Mr. Robert Murray Leslie, M.D., a West End consultant. Sir James Purves Stewart, M.D., giving evidence, said that the deceased had consulted him, and he had prescribed veronal. Called on March 29, he found that Dr. Leslie had taken an overdose of a prescription which contained digitalis, hyoscine, and morphine, and was in a state of collapse. Emetics were given, but he died. Dr. Bernard Spilsbury said that death was due to heart failure accelerated by an overdose of a mixture containing digitalis. A verdict of "Death by misadventure" was returned.

Royal Naval Dental Service.—New regulations for admission to the Royal Naval Dental Service have been issued. Candidates must be registered dentists of British nationality, and willing to serve at home or abroad. Those possessing certificates from an Officers' Training Corps will be credited at the entrance examination with additional marks. A post-graduate course of three months' duration is allowed to surgeon-lieutenant-commanders of over two years' seniority. The ranks and pay of the officers are as follows: Surgeon-lieutenant, 401*l.* to 492*l.*; surgeon-lieutenant-commander, 593*l.* to 730*l.*; surgeon-commander, 775*l.* to 912*l.*

Chemical-trade Wages Award.—A recent application by the National Union of General Workers for an increase in wages in the London chemical-trade has been decided by the Industrial Court against the employees. The claim was for an addition of 4*s.* a week made under the terms of a previous award of the Industrial Court (*C. & D.*, January 8, p. 45), but the Court held in this case that they were not satisfied that there was any agreement that the general advances to employees of the members of the Chemical Employers' Federation should apply to the employees of the members of the London Chemical Manufacturers' Convention, nor was the practice so inveterate as to have the force of custom.

Forged-prescriptions Case.—At Marylebone Police Court, London, on April 5, the hearing of the case in which John D. E. Dudley was charged with forging and uttering requests for cocaine hydrochloride and with having it in his possession (*C. & D.*, April 2, p. 51) was concluded. Mr. Muskett, for the prosecution, mentioned that atropine and chloroform were found in the accused's bedroom, in addition to the poisons previously referred to, adding that Dudley had, by uttering forged prescriptions, rendered various chemists liable to prosecution. For the defence, a solicitor explained that the accused had, during the war, been engaged in bombing by day certain large industrial centres in Germany, and had resorted to the habit of taking drugs on account of the nervous strain. The magistrate considered that Dudley needed to be restrained, by force if necessary, and sentenced him to six months' imprisonment in the second division, "in the hope that it will effect his cure."

Abolition of Legal Warranties Demanded.—A conference of delegates from twenty metropolitan borough councils was held at Battersea Town Hall on March 30 to discuss the warranty clauses in the Sale of Food and Drugs Acts. The conference unanimously adopted the following resolution: "That in the opinion of this conference the provisions of the Sale of Food and Drugs Acts, 1875-1907, with regard to warranty defences (and especially in the case of milk) operate to the prejudice of the purchaser and the public health; that this state of things has become a public scandal, defeats the objects of these Acts, and causes their administration to be a useless and wasteful expenditure of public moneys; that the provisions as to warranty defences contained in the Milk and Dairies Act, 1915, are inadequate to remedy this state of things; that the remedy is to repeal all the provisions as to warranty defences, leaving to the seller his common-law remedy against the person from whom he purchased; that the Government be requested to take without delay all necessary steps to repeal the provisions referred to; and that the Minister of Health be requested to receive a deputation on the subject at the earliest possible date."

In the Courts.—At Lambeth Police Court, London, on March 31, Andrew Allen, Stockwell Park Road, described as a skin specialist, was charged with performing, and conspiring to perform, illegal operations. Sir Richard Muir, who appeared for the Director of Public Prosecutions, said that in the possession of the accused were found a number of printed documents in which he described himself as "Dr. Allen, of the South London Institution for Diseases of the Skin, Nose, Ears, and Throat, established 1864, 46A St. George's Road." Another document was headed: "Hygienic Drug Co., 21 St. George's Road, wholesale drug and proprietary-medicine packers." The accused also had an address at Woolwich carried on under the name of "The South London Institution for Skin Diseases." He also carried on business as "The South London Dental Institute." At 158 Stockwell Park Road, where he resided, there was a plate on the door, "Messrs. Allen's Dental Surgery." After Sir Richard's opening statement and evidence of arrest had been given a remand was ordered.—At Bow Street Police Court, on April 4, Robert Sawyer, labourer, was remanded on a charge of attempting to commit suicide by taking pyrogallic acid.—At Bow Street Police Court, on April 6, Max Gerson, High Holborn, W.C., described as a diamond merchant, was remanded on bail on a charge of applying a false trade description to razor blades. It was stated for the prosecutors, Gillette Safety Razor, Ltd., that they had learned that in the luggage of a passenger who had landed at Dover from Ostend there had been found 1,600 dozen razor blades which were believed to have been manufactured in Munich. Subsequent inquiries had proved the correctness of that belief, and, added the prosecuting solicitor, these forged blades were being imported wholesale into this country.

Irish News.

Drugs and Surgical Appliances Contracts.

The following additional tenders have been accepted in connection with the annual contracts of Irish public bodies (Boards of Guardians, unless otherwise stated), for supplies of medicines and medical and surgical appliances (*C. & D.*, April 2, p. 52). The Ardee Guardians unanimously decided to accept no tenders for medicines or appliances from Belfast.

Union	Medicines	Appliances
Ardee	Boileau & Boyd, Ltd., Dublin. 17½%	Fannin & Co., Ltd., Dublin ... 22½%
Baltinglass ...	Do. 12½%	Do. 12½%
Boyle	Do. 12½%	Boileau & Boyd, Ltd., 17½%
Carrick-on-Suir	Do. 15%	Fielding's Pharmacy, Ltd., Cork 18%
Celbridge ...	Do. 17½%	Fannin & Co., Ltd 22½%
Claremorris ...	Do. 12½%	Boileau & Boyd, Ltd., 15½%
Clones	Do. 17½%	Fannin & Co., Ltd. 17½%
Clonmel ...	Do. 18¾%	Fielding's Pharmacy, Ltd. 18%
Down District Asylum	Roden Johnston, Downpatrick —	———
Edenderry ...	Boileau & Boyd, Ltd. ... 17½%	Boileau & Boyd, Ltd —
Glenamaddy ...	Do. 15½%	Do. 15½%
Gorey	Do. 17½%	Fannin & Co., Ltd, 21¼%
Lisburn ...	Sumner & Co., Ltd., L'pool —	Do. —
Lismore ...	Boileau & Boyd Ltd. ... 15%	Fielding's Pharmacy, Ltd. 18%
Midleton ...	Do. 15%	Do. 2 %
Mountbellew ...	Do. 12½%	Boileau & Boyd, Ltd., 12½%
New Ross ..	Do. 17½%	Do. 17½%
Newry	Sumner & Co., Ltd. 25%	Do. 20½%
Roscrea ...	Boileau & Boyd, Ltd. ... 15%	Fielding's Pharmacy, Ltd. 18%
Skibbereen ...	Do. 12½%	Do. 21%
Tuam	Do. —	Boileau & Boyd, Ltd., —
Tullamore ..	Do. 17½%	Fannin & Co., Ltd., 20%

Brevities.

Mr. D. McCarthy, Ph.C., Youghal, co. Cork, has passed in the subjects of midwifery and gynæcology of the fourth professional examination in medicine.

Dr. Walsh, Galway, has been appointed analyst of medicines to the Galway Guardians at 5*s*. per sample. The Dromore West Guardians have appointed Mr. Fagan, Dublin, as analyst.

Mr. I. W. Nicholl, Ph.C., has been appointed a diocesan synodsman for the parish of St. Anne's (Belfast Cathedral), and Mr. H. Lancashire, M.C.P.S.I., for the parish of St. Patrick's, Ballymena. Mr. R. F. McCartney, M.P.S.I., has been appointed to a similar position in the parish of St. Patrick's, Coleraine.

At a recent meeting of the Ballymena Board of Guardians a letter was received from the Local Government Board enclosing a letter from Mr. James Acheson, relating to his salary as medicine compounder at the Ballymena dispensary, and requesting to be furnished with the Guardians' observations on the matter. In November 1920 his salary was 107*l*. 10*s*., which was 68 per cent. over the pre-war salary. It was decided to inform the L.G.B. that the Guardians considered Mr. Acheson was amply remunerated, and that his salary was proportionate to that of any other official, taking into consideration the work he had to do.

At the meeting of the co. Derry Committee of Agriculture, Coleraine, on April 2, Mr. A. L. Clarke, J.P. (chairman), presiding, in acknowledging the Committee's resolution (*C. & D.*, March 5, p. 50) regarding the Dangerous Drugs Act Regulations, the Department of Agriculture reported that they had represented to the Home Office that a duly qualified veterinary surgeon should have power to prescribe drugs in question for the purpose of his practice. The Department had been informed that the Secretary of State had accepted in principle the Department's suggestion. A letter was also read from the Vice-President of the Department (Mr. H. T. Barrie, M.P.) adding that the Home Secretary proposed to authorise the supply of the drugs for the treatment of animals on the prescription of a veterinary surgeon, and that further details as to the application of the Regulations to agriculture are under consideration. Mr. H. O'Neill thought it a great hardship that farmers should have to go to a veterinary surgeon for a prescription every time an animal was sick. He proposed a resolution recommending that the Regulations be amended to permit farmers to purchase, and keep on the premises, drugs for curing sickness in animals. This was agreed to.

Belfast.

At the Police Court on April 1, James W. Allen, a druggist's assistant, was committed for trial at the Recorder's Court on the charge of being implicated in the hold-up and robbery of over 35*l*. at Cowan & Co.'s offices, Queen's Square (*C. & D.*, March 26, p. 63).

At the Summons Court on April 1, Robert C. Porter, North Street, Belfast, manufacturers' agent, was fined 10*l*. and 20*s*. costs in a case brought by the Board of Trade for refusing to produce books or documents containing entries relating to soda crystals for the purpose of an investigation under the Profiteering Act, 1919.

Scottish News.

Brevities.

Mr. J. D. Walker, chemist and druggist, Peebles, has taken into partnership Mr. W. Baillie, chemist and druggist, who was previously with Mr. A. K. Stewart, chemist and druggist, Lynedoch Place, Edinburgh.

Lawrence & Shepherd, chemists, Oban, have acquired the 70 George Street and 14 Argyle Square businesses of Alex. Robertson & Sons, Ltd., and will carry them on as the Oban Apothecaries Co. Mr. J. L. Shepherd, chemist and druggist, will manage the former business and Mr. Donald Cameron, chemist and druggist, will be in charge of the latter. Mr. S. Lawrence retains the management of the establishment at 101 George Street (see also *C. & D.*, March 26, p. 64). Messrs. Robertson entertained their staff to a supper and dance at the Royal Hotel on March 31.

Edinburgh.

The spring holiday falls this year on April 18.

"Most of the casualties in the recent examination occurred in 'pharmacy,'" writes a correspondent.

Mr. Laurance Raithby, who is well known to chemists in his capacity of representative, is a candidate for the Edinburgh Education Authority.

Drapers are pushing the sale of "bought-up manufacturers' stocks." Chemists regularly sell a number of the same articles in smaller quantities at approximately the same price.

Fife.

Mr. D. A. Leadbetter, chemist and druggist, Lochgelly, has been elected a Vice-President of the local football club.

In the course of his lecture "How the Chemists Helped to Win the War," delivered in the town hall, Markinch, recently, Principal Irvine, St. Andrews University, explained how our armies were, during the war, kept supplied with all the necessary drugs.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The Union.

Medical and Pharmacy Laws.—In the House of Assembly, on March 17, Mr. Purcell asked the Minister of the Interior: (1) Whether it is the intention of the Government to introduce a Medical and Pharmacy Bill this session; or (2) whether the Minister will instruct the Pharmacy Boards of the Cape, Orange Free State, Natal, and Transvaal to permit all chemists and druggists on the registers of the different provinces to practise in any of the above-named provinces; (3) whether, alternatively, the Minister will introduce a Bill extending the period of apprenticeship in the Orange Free State from three to four years, so as to fall into line with the other provinces, and thereby ensure reciprocity; and (4) what further relief will be given to South Africans holding Orange Free State qualifications, inasmuch as they are barred from practising in any other province in the Union?

"A consolidating and amending Medical, Dental, and Pharmacy Bill for the Union has been prepared," stated Mr. Patrick Duncan, "but it will not be possible to introduce it to Parliament during the present session; it will, however, be introduced at the earliest opportunity thereafter." With regard to (2), (3), and (4), the Minister said, as the matter was dealt with by statute, he was not in a position to issue instructions or give other relief as suggested. The matter would be provided for in the consolidating Bill, and under the circumstances it was not proposed to introduce a special Bill.

Orange Free State.

On Dingaan's Day (December 16), the Bloemfontein pharmacists received a visit from some of the Kimberley chemists. After breakfast a trip by motor-bus round the town, out to "The Memorial to the women who died in the Concentration Camps during the Boer War," and back to the Ramblers' Club was much enjoyed. On the Ramblers' ground the cricket teams lined up. Mr. Strickland captained Kimberley and Mr. Reid Bloemfontein. Kimberley batted first and made a good score. Bloemfontein followed, and did rather badly; they batted again, and lost the match by an innings and seven runs. The visitors were entertained to dinner at the Cecil Hotel. Mr. Taylor was in the chair and Mr. Reid in the vice-chair, and a number of complimentary speeches were made, the visitors being charmed with their reception.

Pharmaceutical Society of the Orange Free State.

The annual general meeting was held in Vicker's Buildings, Bloemfontein, recently. There were present Mr. Taylor (President), Mr. Weller (secretary and treasurer), and Messrs. Reid, Fyfe, Carter, Foster, and Jones (members), and Messrs. Greaves, Muir, and Wilson (visitors).

The sympathy of the Society was extended to Mr. Gunn, who was unable to be present owing to illness. The President welcomed Mr. Muir on his return from the old country, and congratulated him on having qualified as a pharmacist; he also welcomed Mr. Wilson as a visitor.

Mr. Carter recommended that the students' classes be advertised in some more public manner than in the university syllabus only, and this was agreed to. The secretary reported that during the year just ending the Society have held meetings every month except one, and the attendance was good. The membership of the Society now totals thirty, consisting of ten country and twenty town members. During the year the Society (in conjunction with the Chemists' Employers' Association) has arranged shorter hours of business, and also classes for pharmaceutical students at the Grey University College. The Society had been endeavouring to arrange these classes since 1912. The balance-sheet, submitted, shows a fair credit balance. Mr. Fyfe proposed, and Mr. Carter seconded, the adoption of the report, and it was adopted unanimously.

The President thanked the members for their support, and the secretary for his assistance during the year. He sincerely hoped that the pharmaceutical classes would be a great success, and that reciprocity between the Provinces of the Union would shortly come into force under the Medical and Pharmacy Bill, which would be brought forward in the next Parliamentary session. He also mentioned that the policy of the Society had been broadened during the year to allow of the discussion of business matters, and that a branch of the P.A.T.A. had been formed in Bloemfontein. Mr. Reid spoke most appreciatively of the President's work in the past year, and congratulated the secretary on the manner in which he had carried on the work of the Society. Mr. Reid proposed that, as Mr. Taylor had done so well in the past year, he be re-elected President for the ensuing year. Mr. Carter seconded, and Mr. Foster spoke strongly in favour of the nomination. Mr. Taylor thanked the members, but declined, saying a younger and more energetic man, with more experience of the social side, should be appointed. The meeting eventually persuaded Mr. Taylor to accept nomination, and he was unanimously elected. Mr. Reid was proposed Vice-President by Mr. Weller and unanimously elected, and Mr. Weller was re-elected secretary. The following were elected as Council of the Society: Messrs. Foster, Fyfe, Carter, and Gunn, with the President, Vice-President, and secretary and treasurer *ex officio*. Mr. Crawford's letter *re* agricultural poisons was then read and fully discussed. The feeling of the meeting was that Mr. Crawford was quite right in drawing the attention of the Society to the matter, and his ideas were quite good. The secretary was instructed to write Mr. Crawford, pointing out that the remedy was in his own hands, and if he knew of any specific breach of the law he should at once inform the magistrate, who, as he had promised to withhold poison licences from general dealers, would be compelled to proceed in the matter. The sale of Cooper's Dip in unbroken packages by general dealers is especially allowed. There was considerable discussion *re* the sale of poisons by general dealers in town, lysol being especially mentioned. Mr. Taylor moved that the Poisons Act in relation to general dealers be discussed at the next meeting. The ordinary meeting was then closed, and a discussion on prices ensued. Some prices were altered, and it was decided to call a special meeting in January to discuss prices generally.

A general meeting was held at Vicker's Buildings, Bloemfontein, on February 22, when there were present Mr. Taylor (President), Mr. Weller (secretary and treasurer), Messrs. Gunn and Reid (members), and Mr. Greaves (visitor). Mr. Greenwood was elected a member of the Council in place of Mr. Foster, who has gone to the Transvaal. There was a lengthy discussion on the "Cape Town Case *re* Company Chemists." Mr. Reid proposed, and Mr. Gunn seconded, "That we take every step we can to support the Cape Society in their endeavours to protect the individual chemists." This was carried unanimously. The secretary was instructed to write to the Cape Society, conveying this motion and enclosing a copy of paragraph 25, Part 2, O.F.S. Ordinance, 1904, showing that pharmacists are strongly protected in this matter. Mr. Reid proposed that the Public Health Act be substituted for discussion at the next meeting in place of the Poisons Act. This was seconded by Mr. Taylor and carried. Owing to the inclement weather and the poor attendance, the meeting closed early.

Dentists Bill.—Letters regarding the Dentists Bill which have appeared in "The Daily Telegraph" suggest that registered dentists are by no means unanimous regarding this Bill. It is suggested (*a*) that the Register should remain as it is, (*b*) that a special list of unregistered men already practising be given, and (*c*) that they should be called "dental practitioners."

German News.

A Memorial to Sertürner.—German doctors and pharmacists have erected a tablet in honour of Sertürner, the discoverer of morphine, in the church of St. Bartholomy, Einbeck. The tablet bears the inscription, in German, "Friedrich Sertürner, the discoverer of morphine, 1783-1841." He was owner of the pharmacy in that town, and is buried in the church.

Socialisation of German Pharmacies.—As pharmacies in Germany are threatened with some scheme of "socialisation," professional associations have addressed a communication to the Government pointing out the danger to the general supply of medicines. The German Association of Pharmacists, the Union of German Pharmacists, and the Association for the protection of the economic interests of pharmacists who have joined in the protest, have suggested an alternative scheme for the reorganisation of pharmacy.

An Institute for Applied Chemistry, the first of its kind in Germany, has been founded at the University of Erlangen, and the new building was recently inaugurated by its director, Professor Dr. M. Busch. In addition to two special departments, one for pharmaceutical chemistry, and the other for the chemistry of foods, it includes a department devoted to technical chemistry. Students will be provided here with opportunities to become acquainted with technical methods of analysis, thus enabling them to gain a practical knowledge of their prospective duties, instead of having to adapt themselves to these methods on entering a chemical factory. The institute has received the assistance of the German chemical industry, which has aided materially in its creation, "with the object of enabling Germany once more, in spite of all difficulties, to compete with the foremost nations, so that Germany's applied chemical industry may not be defeated."

Reimposition of Customs Duties.—The "Deutscher Reichsanzeiger" contains a Proclamation which provides for the reimposition of Customs duties on the following articles, the importation of which into Germany has hitherto been free of Customs duty in virtue of Proclamations dated March 8, 1915, and April 4, 1917. These goods are subject, as from January 1, 1921, to the duties prescribed in the German Customs Tariff: Vegetable wax (from palms, palm leaves, or the like), in a natural state; beeswax and wax from other insects, in a natural state, or roughly melted; spermaceti, refined or not; officially denatured spirit, raw or purified, in casks or tank wagons; beeswax and wax from other insects and vegetable wax, prepared (bleached, coloured, in cakes or balls, etc.), even mixed with other materials; wax-candle stumps, grafting wax; sulphate of copper; sulphate of copper mixed with sulphate of iron; oxide of zinc; nitrate of ammonia not imported in shells or capsules, nitrate of lead; casein, casein gum, and similar preparations not falling under Tariff No. 206. The importation of the above products into Germany still remains subject to import-licence requirements.

Price Anomalies in Exports.—The central union of the German wholesale trade has protested to the Imperial Commissary for Export and Import against the manner in which the German export trade is being controlled, and states that the present practice of fixing different sale prices for different countries is not only working to the detriment of the German export trade, by enabling foreign competitors to quote in many instances considerably lower prices, but is being utilised to damage Germany's foreign trade. In illustration of this state of affairs it quotes from a letter written by a Viennese firm to a house in Rio de Janeiro, in which the former draws attention to the fact that when German firms export directly to South America they are obliged to charge an export levy ranging from 200 to as much as 500 per cent., according to the value of the mark. On the other hand, in exporting to Austria this levy (in consequence of the depreciated value of the Austrian currency in comparison to the German) is considerably lower; therefore, in placing an order in Vienna for German goods, the Brazilian firm is able to obtain them with an increase not exceeding 50 per cent. on the prices quoted in Germany for inland consumption—that is to say, they can be delivered at about three-quarters the price charged for when exported direct from Germany to South America. This step represents a further and energetic attack on the German Government's policy of controlling imports and exports, which has for some time past been severely criticised by manufacturers and traders, who urge the advisability of freeing both imports and exports from all administrative trammels, possibly with the sole exception of foodstuffs and other prime necessities.

Hungarian News.

No Money Required.—The association of medical men of the comitat of Hajdu has passed a resolution whereby the members will in future refuse to accept payment in money for professional services rendered to farmers and producers, the latter being required to settle their accounts for medical attendance in kind, the foodstuffs to be supplied in payment being agreed upon beforehand by mutual arrangement.

The Collection of Ergot.—The steps taken by the Hungarian Government to promote the collection of ergot have proved successful, and sufficient ergot has been collected to meet the requirements of the country. To prevent profiteering and to ensure an impartial distribution large amounts have been used to prepare solid, and also fluid, extract of ergot. The distribution of ergot and of its preparations is undertaken solely by the Hungarian national depôt for sanitary material.

Liquorice Root during the war was unobtainable in Hungary, until some botanists discovered in the neighbourhood of the river Theiss a large tract of land covered with plants belonging to the *Glycyrrhiza glabra* var. *glandulifera*. The Minister of Agriculture has ascertained that the supply of liquorice root obtainable from this source will not only cover the requirements of the country, but will permit of a very large amount being exported. The collection and preparation of the roots will afford employment to a great number of people.

Otto Koritsanszky.—The well-known Hungarian pharmaceutical author, "magister of pharmacy," who recently published the history of pharmacy during the Bolshevik rule of Bela Kun, has now issued a statistical compilation of the existing Hungarian pharmacies. Whereas the former kingdom of Hungary included a total of 2,016 pharmacies, the new State now possesses only 966. Of the former Hungarian businesses which have passed under other sovereignty, 324 are now included in the Czecho-Slovak republic, 200 have pased to Jugo-Slavia, and 400 to Roumania; 41 have been incorporated in Austria, while Fiume figures with 8; in addition, 46 pharmacies are in territories which he describes as "illegally occupied."

Restrictions on Trade.—Permission to import or export drugs, medicines, and toilet preparations is granted by the Hungarian Minister of Finance, after consultation with the director of the national depôt of sanitary material, as follows: (1) Galenicals included in the Hungarian Pharmacopœia may be imported if prepared from crude drugs not obtainable in the country, *e.g.* extract of nux vomica. (2) Preparations which are manufactured in the country, and of which there are large stocks available, may only be imported provided foreign articles are either better or cheaper than the home products. (3) The exportation of preparations not manufactured in Hungary is only permitted provided that the local stocks are sufficiently large to meet demands for at least six months. These exports must be compensated by the importation of raw materials necessary for the preparation of other indispensable medicines. Only really important and indispensable preparations may be imported. (4) New remedies may only be imported if required by a scientific institution, hospital, etc., and it is forbidden to import new toilet articles or cosmetics.

Legal Reports.

Producing Ship's Papers.—In the Mayor's and City of London Court, on April 4, Mr. S. Leon Flores, merchant, 40 Mincing Lane, London, E.C. 3, sought to recover 39*l.* 0*s.* 11*d.* from the Capital and Counties Insurance Co., Ltd., 1 and 2 Gracechurch Street, and 15 Royal Exchange, under a policy of insurance upon goods lost per s.s. *City of Delhi.* The goods lost were 12 tons of bicarbonate of soda, 200 cases of cassia, and 319 bags of Japan ginger. Mr. Clifford, for the defendants, said the case came before the Court by way of an application to vary the order of the Assistant Registrar (Mr. E. B. Tattershall), who had ordered the plaintiff to deliver an affidavit of documents without ordering the production of the ship's papers, which the defendants were entitled to have. The defence was that the peril was one which was not insured against. Judge Atherley-Jones, K.C., said the order already made was sufficiently comprehensive. He refused the application.

Liebig's Extract.—Before Mr. Justice Peterson, on April 5, Liebig's Extract of Meat Co., Ltd., applied for an injunction to restrain the Extract of Meat (Baron Liebig) Photo Brand from using in their business (either alone or with the name of the defendant company or otherwise) the name "Liebig's Extract of Meat Co." Mr. Hughes, for the plaintiffs, said that the motion was brought by the plaintiffs because of an advertisement of the defendants which appeared in "The Grocer" of February 12 and February 19, 1921. The advertisement was headed "Liebig Extract of Meat Co.," and in brackets in smaller type the name of the defendant company was given. An advertisement of the defendants under such a heading was calculated to mislead, and the plaintiffs at once brought this action. The defendants now said that the advertisement was inserted by an ignorant clerk. Mr. Manning, for defendants, urged that the mistake was an entirely innocent one, and that the advertisement was inserted by a new employee, who did not appreciate the effect that it might have. The defendants were prepared to give a perpetual undertaking. Mr. Justice Peterson said that he found it difficult to believe that a new employee was given unlimited power to insert such an advertisement. The motion was treated as the trial of the action, and the defendants gave an undertaking in the terms of the notice of motion. No order was made, except that the defendants should pay the costs of the motion

Unlicensed Importation of Cocaine.—At Lewes, on March 29, Mr. Francis Henry Mertens, wholesale druggist and agent, 64 Holborn Viaduct, London, E.C. 1, was summoned for importing cocaine preparations on December 2, 1920, in contravention of Part III. of the Dangerous Drugs Act, 1920. The police evidence was to the effect that the Customs authorities at Newhaven ascertained that cocaine was contained in forty-eight boxes consigned from Paris to Mr. Mertens. On inquiry, similar goods were found on his premises, and he was ordered to pay a nominal fine. Mr. Mertens, interposing, explained that he applied for a licence on December 17 last, but had not yet received it. Mr. S. A. Woodhead, M.Sc., F.I.C., public analyst, gave evidence as to the preparations containing cocaine and coming within the Act. In reply to the defendant, he said they were not in the usual form in which cocaine was illicitly taken in this country. Mr. Mertens, giving evidence, said he had been in business twenty-eight years. He received an order from a firm of wholesale druggists for these preparations, which were to be sent to a hospital in the Congo. Before the war this trade was done through Germany, but it had gone through England since the outbreak of war. He hoped that the magistrates would regard the transaction as a purely technical offence. The case in London arose out of the inquiries in this case, and concerned goods that had been on his premises three years. He suggested that the magistrates should retain the two sample boxes of the preparations produced in court and present them to a local hospital, and that they should release the remainder of the consignment, which had been held up for three months. The bench adopted the suggestion, and ordered the payment of 5*l.* 10*s.* costs by the defendant.

Profiteering Act Case.—At Mansion House Police Court, London, on April 4, Mr. Albert Edward Mallandain, manufacturer, King Street, E.C. 2, was summoned for having sold, on April 30, 1920, to Sampson & White, Ltd., Holborn, 3 tons 8 cwt. of soda ash at an unreasonable profit. Sir Richard Muir appeared for the defence. Mr. H. D. Roome, for the Director of Public Prosecutions, said that this summons was at the instance of the Board of Trade, and referred to the sale of sodium carbonate, commonly known as soda ash. The original purchase was made, two-and-a-half years prior to the sale, at 6*l.* 13*s.* a ton. The selling price was 27*l.* a ton. Although soda ash was not on the schedule of examples issued by the Board of Trade, washing soda was declared by the Act to be an article in common use, and soda ash was the material out of which washing soda was manufactured. Mr. Stanley George Stubbs, investigation officer in the complaints department under the Profiteering Act, was about to give evidence as to the nature of soda ash when his qualifications for doing so were challenged by Sir Richard Muir. The witness explained that he was a chemical journalist before the war, and had considerable chemical knowledge. Soda crystals were prepared with 48 per cent. of sodium carbonate and 52 per cent. of water. His investigations showed that the soda ash in question went to the Surrey Chemical Co. Sir Richard Muir contended that there was no evidence to prove that this article came within the borders of the Order of the Board of Trade. Mr. Mallandain had large interests in other matters, and this was a solitary sale during the illness of his manager. The stuff was lying there idle: Messrs. Sampson & White made their own offer—there was no bargaining—and subsequently there was an allowance made on account of the condition of the ash. At this stage counsel held a consultation, after which Mr. Roome said that Sir Richard agreed to plead guilty to a technical offence on condition that no conviction was recorded. The magistrate agreed to this course, and the summons was dismissed, under the Probation of Offenders Act, on payment of 10*l.* 10*s.* costs.

Aladdin Trade-mark.—Before Mr. Justice Sargant in the Chancery Division, on April 5, an application was brought by the Aladdin Products Co., of North May Street, Chicago, U.S.A., for an order that the Register of Trade-marks should be rectified by the removal of the trade-mark "Aladdin," registered for soap and owned by James Crean & Son, Ltd., Naylor Street, Liverpool. On behalf of applicants, Mr. Kerly, K.C., submitted that the mark on the register was an abandoned one, and that it was assigned to Messrs. Crean without any goodwill, and was, in fact, a dead mark before the date of the assignment. Counsel added that if respondents would consent to their mark being taken off the register applicants would undertake not to interfere with the sale by Messrs. Crean of ordinary soap under the name "Aladdin," and applicants would limit their trade-mark to dye soap. Mr. J. H. Gray, K.C., for the respondents, declined the offer, but said he was prepared to exclude dye soap from the registration. Respondents did not intend to use the mark for dye soap, and he would give an undertaking to that effect on behalf of the Registrar of Trade-marks. Mr. Danckwerts objected to two similar trade-marks being on the register in the same class on the ground that this would cause confusion in the minds of the public. On the question as to abandonment, Mr. Kerly said that for the last seven years of existence of the Titan Soap Co., from whom Messrs. Crean took over the mark—from 1904 to 1911—that company was not using the mark, and from 1911 to 1920 Messrs. Crean did not use it. Giving evidence, Mr. James Crean, chairman and managing director of the respondent company, stated that when they acquired the Titan Co.'s works, plant, and trade-marks it was their intention to use the mark "Aladdin." Mr. Joseph Crean, a director of the company, said they never thought of dropping the word "Aladdin" as a trade-mark, and they intended to use it at the first opportunity. The hearing was adjourned. Giving judgment on April 6, Mr. Justice Sargant said the trade-mark Aladdin was originally

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registered in 1890 by a Liverpool soap company, and in 1897 it was assigned to Messrs. Crossfield. Two years later it was assigned to the Titan Soap Co., Ltd. So far as could be ascertained, the Titan Co. manufactured Aladdin soap for a few years prior to the year 1904 for co-operative societies only, but from 1904 onwards there was no trace of the manufacture of their soap by the company. In 1910 the respondents bought the factory and trade-marks of the Titan Co., but from that time forward there appeared to have been no manufacture by respondents of any soap under the name of Aladdin. In November 1918 the applicants—an American company—who manufactured dye-soap, applied to register the trade-mark Aladdin in this country, but were refused because of the presence on the register of the trade-mark owned by Messrs. Crean. An appeal was lodged, and that appeal was pending until the motion had been disposed of. There had been no manufacture down to the present time by Messrs. Crean of Aladdin soap, and the question was whether, under these circumstances, there had been an abandonment of the trade-mark. He was not disposed to attribute any value to the statements made by respondents as to their intention to use the trade-mark Aladdin. There appeared to have been no desire on their part to make use of the mark, and they seemed to have been roused to action merely because they had found that they had got on the register a trade-mark which someone else wished to use, and they were pursuing obstructive tactics which were not unusual in such circumstances. Not only had there been no *bona-fide* user of the trade-mark for five years, but this was not due to special circumstances in the trade. It was due to the fact that they did not see their way profitably to use the trade-mark. He directed that the trade-mark should be removed from the register, and ordered the respondents to pay the costs of the motion. In reply to Mr. Gray, K.C., his lordship granted stay of execution for three weeks for respondents to consider the question of appealing.

Italian Companies.

Under the name of Ditta Vella e C., Milan, a new firm with a capital of lire 85,000 for the production and sale of sodas and other chemicals has been founded, having its headquarters in Via Ruggero Boscovich. Distillerie Italiane, Milan, is a new firm for the production and exportation of olive oil, arranged for ten years, with a capital of lire 1,000,000. Distilleria degli Spiriti Giacomo Corradini, Ancona, is a new alcohol concern with a capital of lire 1,200,000 in 1,200 shares of lire 1,000. Fratelli Ferré e Rotta Pietro, Asti, is a new firm with a capital of lire 50,000, arranged for three years, for the production of soaps and chemicals. Ditta Musumeci e C., Genoa, is a new firm for trading in perfumery, drugs, soaps, etc., with a capital of lire 20,000. Rinaldi e Martinelli, Naples, is a new firm with a capital of lire 60,000 for trading in synthetic and natural perfumes, arranged for ten years. Giviemme, Società Anonima Visconti di Modrone, Milan, is a new firm, with a capital of lire 2,000,000 in 4,000 shares of lire 500, for the production of natural and synthetic perfumes. Ditta Faussone Giacomo, of Turin, is a new firm trading in natural and synthetic perfumes, with a capital of lire 60,000, arranged for three years. Angeli e Palucano, Udine, is a new firm with a capital of lire 135,000, arranged for five years, for dealing in drugs, spirits, etc. Società Anonima Iridal, Turin, is a new firm with a capital of lire 250,000 in 2,500 shares of lire 100, arranged for thirty years, for trading in the pharmaceutical product "Iridal" and in other special medicinals. Fratelli Carli, Oneglia, Genoa, is a new firm, with a capital of lire 50,000, arranged for ten years, for the production and vending of olive oil. Fedeli e C., Turin, is a new firm, with a capital of lire 30,000, for the production and selling of vermouth, liquors, etc. Leoni e Gambara, of Milan, is a new company, with a capital of lire 60,000, arranged for five years, for trading in washing sodas, soaps, etc.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

S. Fleming & Co., Ltd. (P.C.).—Capital, 3,000*l*. Object: To take over the business of a chemical manufacturer and merchant, dealer in heavy and fine chemicals, etc., carried on by S. Fleming as "S. Fleming & Co.," at 47 Mark Lane, E.C.; also to carry on the business of importers, exporters, shippers, etc. R.O.: 47 Mark Lane, London, E.C.

Hugh Steeper, Ltd. (P.C.).—Capital, 500*l*. Objects: To carry on the business of manufacturers of and dealers in artificial limbs, dental, medical, surgical, and optical instruments and appliances, drugs and chemicals, etc. The first directors are: H. Steeper, 73 Arcadian Gardens, London, N. 22, and H. A. Povah, 50 Fairmount Road, S.W. 2. R.O.: 49 Green Street, W. 1.

Butene, Ltd. (P.C.).—Capital, 300*l*. Objects: To carry on the business of manufacturers and merchants of toilet preparations and perfumery, and manufacturers of the complexion powder to be known as "Butene." The first directors are: Mrs. M. Rowlands and Mrs. J. E. Wilbraham. R.O.: 44 Belgrave Road, Edgbaston, Birmingham.

Marsden & Kay (Emka), Ltd. (P.C.).—Capital, 20,000*l*. Objects: To take over the business of druggists and drysalters carried on by C. H. Marsden and E. Kay at Margaret Street, Preston, as "Marsden & Kay." The first directors are: C. H. Marsden, 11 North Cliff Street, Preston; E. Kay, "Greycote," Saunders Lane, Longton, near Preston; and F. G. Rowson, "Holmfield," Fairlawn Road, Lytham.

Chilblaino, Ltd. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of manufacturers of and dealers in the preparation of a compound for the alleviation, curing, and removal of chilblains and other kindred disorders, etc. The permanent directors are: J. Murtough, Lennox Lodge, Hayling Island, Hants; Mrs. A. E. Terry, Fairthorne, Bury Road, Gosport; and C. Upson, 49 Stoke Road, Gosport. R.O.: 10 Camomile Street, London, E.C. 3.

Hewett & Sons, Ltd. (P.C.).—Capital, 1,000*l*. Objects: To take over the business of Hewett & Sons at 36 St. George's Road, Kemp Town, Brighton, and to carry on the business of chemists, druggists, patent-medicine vendors, opticians, stationers, photographic dealers, etc. The first directors are: H. S. Hewett, 36 St. George's Road, Brighton, and H. S. Saunders, The Red House, Old Road, East Cowes, I.W. R.O.: 36 St. George's Road, Brighton.

Cornish Drug Stores, Ltd. (P.C.).—Capital, 2,000*l*. Objects: To take over the business of S. Barlow, M.P.S., of Union Square, St. Columb, Cornwall, together with a lease of premises in Union Square; to adopt an agreement with Margaret C. Rhys; and to carry on the business of chemists, druggists, opticians, dealers in fancy goods, books, stationery, wines, tobacco, etc. The first directors are: C. E. Whitford, solicitor, St. Columb, and M. Gatley, Fore Street, St. Columb.

Alterine, Ltd. (P.C.).—Capital, 5,000*l*. Objects: To carry on the business of manufacturers of "Alterine" and other cattle and animal medicines, etc., and to take over the business carried on by George Robert Hankinson & Son as "The Alterine Co." at Uttoxeter. The permanent directors are: G. R. Hankinson (managing director), 57 Balance Street, Uttoxeter; G. R. D. Hankinson, 5 Thornbury Avenue, Southampton; Miss M. H. Hankinson, Uttoxeter; L. A. Dutton, Oldfields Road, Uttoxeter. Secretary: Miss M. W. H. Hankinson. Solicitor: W. B. Thompson, Uttoxeter.

W. Aston & Co., Ltd. (P.C.)—Capital, 12,000*l*. Objects: To take over the businesses of chemists and druggists carried on by W. Aston at 69 Rowlands Road, as "W. Aston," and at 49 Chapel Road, both in Worthing, as Barron & Co., and the similar business carried on by the said W. Aston in partnership with F. W. Roberts

at 27 Montague Street, Worthing, as "W. Aston & Co." The first directors are: W. Aston, "Riversdale," Shelley Road, Worthing; F. W. Roberts, "Ingrams," Church Walk, Worthing; and W. E. Martin, 69 Rowlands Road, Worthing. R.O.: 27 Montague Street, Worthing.

McDougall & Yalding, Ltd. (P.C.).—Capital, 200,000*l.* Objects: To adopt agreements (1) with the Yalding Manufacturing Co., Ltd., and (2) with McDougall Bros., Ltd., and to carry on the business of manufacturers of insecticides, fungicides, and disinfectants, cultivators of plants, manufacturing and agricultural chemists, manufacturers of and dealers in drugs, fertilisers, salts, acids, ointments, plasters, oils, spirits, colours, dyes, extracts, paints, powders, varnishes, gums, soaps, and electrical, chemical, photographic, scientific, sanitary, medical, surgical, horticultural, and agricultural appliances, provided that the company shall not carry on the business of manufacturers of and dealers in starch, blue, blacklead, metal, silver, stove, ultramarine, boot, floor, and furniture polishes, blacking, baking powder, ink, or linctus cough-mixture. The first directors are: I. McDougall, W. F. Stiff, F. Howells, and P. J. Fryer. R.O.: Yalding, Maidstone.

Evans Sons Lescher & Webb, Ltd.—The warrants for dividend on the preference shares, due April 1, 1921, were posted to the registered shareholders on March 31.

Companies Which May be Wound Up.—The undermentioned companies will, unless cause is shown to the contrary, be struck off the register and the companies dissolved three months after March 18: Abbinal Chemical Products, Ltd.; Aero-Chemical Syndicate, Ltd.; Atwell Chemicals, Ltd.; Barking Chemicals Co., Ltd.; Johann Maria Farina, Ltd.; John Ellis & Co. (Chemists), Ltd.; Radium Salt Co., Ltd.; Rayner Price Chemical Co., Ltd.; Temple Laboratories, Ltd.; "Zoel" Antiseptic Co., Ltd.

Phillipe Letondu & Co., Ltd., 3 and 4 Chichester Chambers, Chancery Lane, London, W.C., importers and manufacturers of drugs, surgical appliances, etc. This company, which is being wound up, was formed in August 1919 with a nominal capital of 800*l.* to acquire for 300*l.* the business carried on by M. Phillipe Letondu, together with the benefit of all outstanding contracts. Shares for 300*l.* were issued to the vendor, together with a further block of 100, all fully paid, in consideration of an assignment of book debts of 108*l.*, owing to M. Letondu in connection with his branch business at Chandos Street, W. The trading of the company showed a gross loss of 31*l.* 8*s.* 4*d.*, but no proper accounts were kept. A compulsory winding-up order was made on October 19, 1920, under which accounts have been submitted showing liabilities of 259*l.* 10*s.* 5*d.*, against assets valued at 210*l.* 10*s.* 6*d.* In addition to the fully-paid shares allotted to the vendor, 300 shares have been issued for cash from the account. The failure of the company is attributed by M. Letondu to the impossibility of obtaining the goods from France to fulfil orders. The Official Receiver, who is also acting as liquidator, observes that in his opinion the business was mismanaged.

Boots and United Drug Co.—The full report of the United Drug Co. of America for 1920 (says the "Financial Times") shows that no part of the increased revenue was derived from Liggett's International, to which it sold the controlling interest in Boots Pure Drug Co., acquired last summer. This interest is now represented by the holding of Liggett's "B" Common stock, which carries voting rights. But though the United Drug Co. has not yet received any return from its deal with the Boot concerns, some interesting information relating to them is given in the report. Sales, we are told, show an increase for every month of the year compared with 1919, and the profits made are in excess of original estimates. The additional significant fact is mentioned that bank loans, amounting to about 600,000*l.*, have been paid off. If Boots Pure Drug Co. had bank overdrafts to that extent last summer, it helps to explain (says the "Financial Times") why the path of the United Drug Co. was rendered easy to the purchase of the whole of the ordinary shares. "The New York Drug and Chemical Markets" states that the United Drug Syndicate, which underwrote the stock of Liggett's International, Inc., have announced that, although all of the $7,500,000 of the preferred stock had been sold, 20,739 of the 50,000 shares of the common stock were unsold. The syndicate has been extended to June 15.

Wright, Layman & Umney, Ltd.—The report of the directors for the year ended December 31, 1920, shows that the year's trading has proved satisfactory. The accounts show that, after providing for bad debts, depreciations, income-tax, and balance of excess profits duty for 1919, and reserving for those on 1920, there is a trading profit of 15,434*l.* 15*s.* 5*d.* Adding the amount brought forward from last year—viz., 4,234*l.* 6*s.* 9*d.*—there remains to the credit of profit and loss 19,669*l.* 2*s.* 2*d.* From this the following appropriations have been made: Dividend of 6 per cent. on preference shares, less income-tax, 3,780*l.*; interim dividends of 8 per cent. on 67,500*l.* ordinary shares, less income-tax, 3,780*l.*; directors' fees, 4,400*l.*; leaving a balance of 7,709*l.* 2*s.* 2*d.* From this amount the directors recommend a further dividend of 7 per cent., making 15 per cent. for the year, less income-tax, absorbing 3,307*l.* 10*s.*, leaving a balance of 4,401*l.* 12*s.* 2*d.* to carry forward. The nominal ordinary share capital has been increased to 90,000*l.* by the creation of an additional 45,000 shares of 1*l.* each. Of these, 22,500 have been issued to the holders of the ordinary shares as a distribution of a portion of the reserve fund. The company has acquired the freehold interest of its Park Street premises at a cost of 17,239*l.* 0*s.* 1*d.*, the whole of which has been paid in cash. Mr. E. B. Layman retires by rotation, and offers himself for re-election.

British Dyestuffs Corporation.—The second ordinary general meeting was held in Manchester on April 1. Sir Henry Birchenough, Bart., K.C.M.G., presided, and in the course of moving the adoption of the report reviewed at length the history and results of the financial year, which were considered satisfactory. The amount available for distribution was 610,927*l.*, out of which sum the directors had already paid dividends on the preference shares for the two half-years ended respectively on April 30 and October 31, 1920, which absorbed 191,006*l.* They now recommended a dividend for the year upon the preferred ordinary shares at the rate of 8 per cent., which will absorb 216 616*l.* and will leave 203,304*l.* to carry forward, compared with a previous carry-forward of 58,826*l.*, During the early part of 1920 trade was exceedingly active, but as the year advanced a change came over the scene, due to two circumstances. In the first place, the safeguards promised by the Government proved to be short-lived. The Royal Proclamation issued in February 1919, prohibiting the importation of dyestuffs except under licence, after being effective for about ten months, was rendered invalid by the decision of Mr. Justice Sankey in December 1919. From that date the importation of foreign dyestuffs into the United Kingdom was unrestricted and in effect remained unrestricted for twelve months—that is, from December 1920 to January 1921. The very threat of German importations—even before they arrived—had an injurious effect, because it checked the placing of forward contracts and to that extent diminished the demand. At first German dyes came in slowly, but as the German power of production increased these came in more rapidly and in ever-increasing quantities. During the second half of the twelve months' period there occurred a rapid decline in practically all branches of trade. There was consequently on the one hand an increase of imports and on the other a decrease in demand, with the result that there has been created in this country a formidable accumulation of stocks of foreign dyestuffs awaiting consumption. It was only in December last—just a year after the Sankey judgment—that a special measure entitled the Dyestuffs (Import Regulation) Bill was introduced into the House of Commons and passed into law. Reference to research organisation was made by Sir Henry, who intimated that 289 366*l.* had been spent in this department during the first two years of the corporation's existence, and in the balance-sheet there is a reserve fund of 100,000*l.* for research. Internal reorganisation was referred to at length by the chairman, and after discussion the report was adopted.

Associations' Winter Session.

Assistants' Unions.—The annual meeting of the National Drug and Chemical Union was held on March 27 and 28 at Anderton's Hotel, London, E.C. Mr. Herbert Skinner, Ph.C., presided. The President, after briefly tracing the inception of the movement, spoke of the interdependence of all wage-earners and the need for all sections to show mutual consideration and confidence. He explained how the long-drawn-out registration difficulties had caused to ooze away a great deal of the enthusiasm in the amalgamation with the National Association of Chemists' Assistants, yet the need for enthusiasm was never greater than now. Lack of visible results was urged by many as the cause of slackness, but he gave details where the results were significantly due to direct movement for the uplifting of the craft. In both wholesale and retail action was already manifest in making for a reduction of wages. That was a simple term, but it counted much more than that, as a reduction only because eggs and sugar were cheaper would mean a reduction of the standard of living, and no one desired to go back to the low grade of pre-war days. As a Union, he pointed out, they had accepted every challenge to their right to combine. Their backs had been to the wall, and as a fighting Union they had had a heavy financial drain upon their resources, made infinitely more burdensome by the amount of unemployment, unparalleled in the trade. The clouds appeared to be breaking, and he nailed his colours to the mast; they must go forward united with all drug and chemical workers, wholesale and retail, if needs be, as a section of a huge combine, rather than be caught and defeated by division. He urged them to close up their ranks, to fire themselves with the energy and enthusiasm of their early days, and then it would be possible to achieve the object for which they originally took action. Councillor Fred Hawkins, on behalf of the Executive Council, presented a report of the recent negotiations that had taken place with the National Union of Distributive and Allied Workers upon the question of amalgamation. Considerable discussion arose, in which it was pointed out that in amalgamation the need for sectional autonomy of the administration was necessary. A resolution accepting the report and authorising the continuance of the negotiations was carried unanimously. Mr. H. R. Nightingale, general secretary, then presented his report, which was passed, and said the Executive Council had decided to abstain from administering the National Unemployment Act on behalf of the Government until guarantees had been received as to the periods in which benefits paid out will be refunded to the Union. Resolutions were carried, including one calling upon all qualified members of the Union to join the Pharmaceutical Society, and that all those entitled to register as student-associates should do so. Another had reference to the limitation of apprentices in the retail trade and the employment of juniors in the wholesale and manufacturing trade, together with a resolution calling upon the Executive Council to see that a fair wages clause was inserted in all contracts between chemists, both wholesale and retail, and the Ministry of Health and other public bodies and institutions. Mr. E. N. Lloyd (London Retail Branch) was elected as *President* for the forthcoming year, together with Mr. A. J. Crawley, *Vice-President*, and Mr. F. W. Gwinn, *Treasurer*. The Executive members from the wholesale trade were Messrs. Timms, Cook, Hobson, Domone, and Gilbert (London), and Mr. Howard-Jones (Exeter). Retail trade: Miss Kirton (London Retail), Mr. Greenfield (London Retail), Mr. Murch (Public Pharmacists), Mr. Stevens (London Stores), Mr. Caley (Wolverhampton), and Mr. Lawton (Coventry). At the reception of delegates Mr. H. Skinner was presented with a gold wristlet watch (*C. & D.*, April 2, p. 60), and Councillor Fred Hawkins was presented with a wallet containing Treasury notes, in recognition of their services to the Union.—A recent meeting of the Liverpool Pharmacists' Section of the National Union of Distributive and Allied Workers was addressed by Mr. Gilmour, chemist and druggist, organising secretary, and Mr. A. M. Kneale, chemist, delegate to the Trade Union Congress.

Cardiff.—The monthly meeting of the Cardiff Pharmacists' Association was held on March 31, the President (Mr. D. Brims) in the chair. It was agreed to protest against the intention of the City Council to increase the charge for removing trade refuse. The British Pharmaceutical Conference secretary had written for names of the Association delegates to the Conference at Scarborough in June, but the appointment was deferred. A vote of congratulation to Mr. L. Joseph on his election to the Executive of the Retail Pharmacists' Union was carried with acclamation. It was decided to send a letter of thanks to the three Cardiff members of Parliament for their assistance in opposing the Dangerous Drugs Act Regulations. The financial position of the Association was then considered, and it was agreed to increase the annual subscription to 10*s.*, including membership of the Association's co-operative buying scheme, and also the affiliation fee to the South Wales Federation.

Leicester.—A Council-meeting of the Leicester and Leicestershire Pharmaceutical Association was held on April 4, the President (Mr. W. J. Lewis) in the chair. Owing to ill-health Mr. Lewis was leaving the town and resigned his position as President, the resignation being accepted with regret. The thanks of the meeting were expressed to Mr. Lewis for the able way in which he had conducted the affairs of the Association. Mr. Goodess (Vice-President) was elected President for the remainder of the year. Congratulations were sent to Mr. A. E. Young on his success at the recent Retail Pharmacists' Union election. Mr. Lewis Ough was elected delegate to the British Pharmaceutical Conference. A report from the Ladies' Committee was read, and the financial statement, showing the balance of 45*l.* to be handed over to the Benevolent Fund of the Pharmaceutical Society.

Oxford.—The annual meeting of the Oxford Chemists' Association was held recently, Alderman C. Clayton (President) in the chair. The secretary read the annual report and statement of accounts, which were adopted. The balance in the hands of the treasurer was 11*l.* 1*s.* 8*d.* The following officers were elected for the ensuing year: *President*, Mr. W. T. Ransom; *Vice-Presidents*, Mr. Swift and Alderman Clayton; *Hon. Secretary* and *Treasurer*, Mr. Horatio C. Goodall; the above-named officers, with Messrs. Ambrose, Swift, and Loxley, to constitute the committee. A vote of thanks to the retiring President was carried with acclamation. Mr. Hague (chairman of the Midland Federation of Pharmaceutical Associations) was then invited to address the meeting. He eulogised the past services rendered to pharmacy by Messrs. Young and Ridyard, and advocated the principle of one man one vote for Retail Pharmacists' Union Executive election purposes. On concluding, Mr. Hague was accorded a vote of thanks for his address. The Benevolent Fund collecting-box was opened and found to contain the sum of 2*l.* 11*s.*

Public Pharmacists.—At a meeting of the Public Pharmacists' Association held on March 23, Mr. Geo. W. Gibson presiding, Mr. J. F. Ward, B.Sc., gave a lecture on *Colloids in Medicine and Pharmacy*. A unique exhibit of apparatus, including the ultra-microscope, had been arranged, and the lecturer gave a brief account of colloidal chemistry and a demonstration of the "Brownian movement" with the ultra-microscope. Methods of preparing metallic colloids electrically, and the kind of charge (negative or positive) carried by the colloidal particles, were explained. The description of many pharmaceutical preparations from the viewpoint of the colloidal chemist was highly interesting, and it was shown that colloids owe their activity to their instability, it being necessary to have a "protective," such as gum, etc., to keep these preparations for use in medicine. Various human body fluids, such as blood serum, cerebro-spinal fluid, lymph, etc., are typical examples of "protected" colloids. The use of "gum saline" for transfusion was explained. Mr. Gibson, in proposing a vote of thanks to Mr. Ward, described him as a distinguished chemist who had served his apprenticeship and qualified as a pharmacist. At the conclusion of the meeting Mr. Gibson was presented with a handsome leather attaché case in recognition of his services as hon. secretary.

Society of Chemical Industry.

At the meeting of the London Section of the Society of Chemical Industry, held in the rooms of the Chemical Society, Burlington House, Piccadilly, W., on April 4, the chairman, Mr. Julian L. Baker, F.I.C., being present, Professor W. Stiles read a paper on *The Scientific Principles of Cold Storage.* Foodstuffs to be preserved by means of a low temperature can be divided into two distinct groups—(1) those which may not be exposed to a temperature below the freezing-point, as is the case with fruits, and (2) foodstuffs which will stand a low temperature and can be frozen; this applies to mutton and to rabbits. In the first group the physical condition of the fruit or other food remains unaltered, but enzyme action takes place and also various other changes which are known collectively as maturing processes; also the food is liable to attack by micro-organisms. The changes which occur in this group when exposed to low temperature, but above freezing-point, are problems to be solved by organic or biological chemistry. In the second group, when a temperature below that of freezing-point is utilised, we are confronted by different problems, particularly in view of the fact that we are in the presence of a solid medium. The growth of micro-organisms is retarded, and the changes which occur in foodstuffs in the frozen state present problems which belong to the field of physical chemistry. On thawing a foodstuff that has been frozen the original process should be reversed, but in practice this is not entirely achieved. The author then proceeded to deal in detail with the questions involved when preserving foodstuffs belonging to both groups by means of low temperature. In the case of fruits, every species requires a special study in order to ascertain the most suitable precautions to be taken, as we have here to consider such influences on the flavour of the fruit as loss of moisture, transformation of starch into sugars, factors which alter the flavour of fruits kept in cold storage, and which must be considered for each individual species. Another very important factor is respiration, the rate of respiration being highest in the case of soft fruits, which explains their readiness to rot, in consequence of the active changes which persist even when kept in cold storage, while the citrous fruits have the lowest rate of respiration—hence their excellent keeping properties. The rate of respiration, which is maintained in cold storage, although lowered by about one-fourth, leads to the ripening of the fruit, while it raises the temperature. Proceeding to a consideration of the problems presented by preservation of foodstuffs in a frozen condition, Professor Stiles stated that the chief difficulty lies in the fact that the changes in condition are not completely reversed on thawing; hence certain foodstuffs, particularly fish, when frozen and then thawed, are inferior in quality to the fresh product. This is the result of the phenomenon that on thawing the frozen water is not resorbed by the muscle tissue; hence there is a loss of valuable nutritive substances. The author then discussed the problem of preventing this, which is due to the formation of centres of crystallisation of water within the tissues. To obviate the formation of these ice centres the meat should be quickly cooled to such a temperature that no centres of crystallisation are formed. A great difficulty lies in overcoming the low thermo-conductivity of the medium in which freezing is effected, since air has the lowest thermo-conductivity value; this obstacle might be overcome by the use of a suitable solution of either sodium chloride or calcium chloride, a problem which requires further investigation. In conclusion, Professor Stiles emphasised the fact that hitherto all the investigations carried out in this field had been only pioneer work, and further studies were necessary to elucidate the many problems presented by this very important method of food preservation. The paper was followed by a prolonged discussion, in which several of the members present joined, several everyday observations with respect to the effect of cold storage on foods being alluded to.

Festivities.

Alchemy Lodge Social Evening.

The first ladies' social evening of the Alchemy Lodge of Freemasons was held at Severn Street Masonic Rooms, Birmingham, on March 30. After the W.M. (Wor. Bro. F. J. Gibson) and Mrs. Gibson had received the guests, the company of nearly 100 partook of an excellent meal. Bro. E. D. Barclay proposed the health of the ladies, and Canon Barnard responded on their behalf. An enjoyable concert followed, and during the evening, at the suggestion of the W.M., a collection was made on behalf of the Pharmaceutical Society's Benevolent Fund.

Scarborough Juniors' Whist-drive.

The first whist-drive and dance of the Scarborough Junior Pharmacy Club was held on March 30, when an enjoyable evening was spent. The prizes, which were presented by Miss K. Wrightson, were won by the following: *Ladies*—(1) Mrs. E. M. Chapman; (2) Miss E. Sutherland; consolation prize, Mrs. L. Parker; travelling prize, Miss Luccock. *Gentlemen*—(1) Mr. A. Pirnie; (2) Mr. Glover; consolation prize, Mr. E. Hunt; travelling prize, Mr. Sowden. Prizes were awarded for a "spot" dance to Miss E. Speck and Miss M. Davis. The proceeds will be forwarded to the Pharmaceutical Society's Benevolent Fund.

Cardiff Pharmacists' Whist-drive.

The last of the whist-drives organised by Mr. E. Poole (assistant secretary of the Cardiff Pharmacists' Association) in aid of the Pharmaceutical Society's Benevolent Fund was held on March 30. The prizes again provided by the members of the Association were handed to the following successful players by Mrs. Brims, wife of the President: *Ladies*—(1) Miss Thomas (pair of silver salt-cellars), (2) Mrs. Kemp-Williams (case of silver teaspoons. Lady playing as gentleman, Miss J. S. Fleming (silver powder-jar). *Gentlemen*: (1) Mr. Jabez A. Jones (aneroid barometer), (2) Mr. E. G. Howell (silver cigarette-case). During an interval refreshments were handed round, and Mr. A. Hagon gave an interesting *résumé* of the progress of the Chemists' Social Club. He distributed the prizes to the lady and gentleman who had the highest scores for the period now concluded; these were won by Mrs. E. G. Howell (set of afternoon tea knives) and Mr. James Murray (silver tankard).

Masonic Pharmacists' "Ladies Evening."

A second ladies' evening was held by the Manchester Pharmacists' Masonic Association on March 30 at the Victoria Hotel, Manchester. Bro. Sir W. H. Veno and Lady Veno received the guests (between fifty and sixty), and each lady was handed a "Lancastrian" rose. Dinner followed, and after dessert the loyal toasts were given and honoured. Wor. Bro. A. C. Vallance then proposed "The Chairman" (Bro. Sir W. H. Veno). This was followed by "The Ladies," by Bro. A. Newton. Speeches, it was decreed, had to be brief, so that time should be available for dancing. At the whist-drive the prize-winners were: *Ladies*—(1) Mrs. Rushton, (hidden number) Mrs. Bridgford. *Gentlemen*—(1) Bro. Hambleton, (hidden number) Bro. W. B. Rushton. Music and sketches by Mrs. Bridgford, Wor. Bro. H. M. Ashton, and Bro. Davenport were given during the intervals of dancing. Wor. Bro. J. Beal was S.W., Bro. H. Woodhead J.W., and Wor. Bro. H. Thompson D.C. A joint meeting with the Liverpool brethren is being arranged to take place in the early summer, if possible, somewhere between the two cities.

Gazette.

Bankruptcy Acts.

Adjudication Annulled.

Mitchell, A., Horncastle Road, Skirbeck, Lincoln, carrying on business at 56 Wide Bargate, Boston, chemist and druggist.

The British Chemical Trade Association.

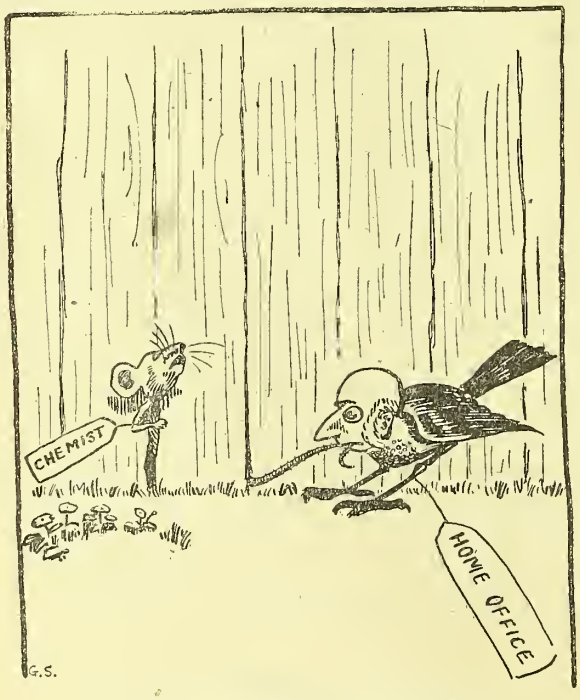
German (Reparation) Recovery Act, 1921.

The latest issue of the "Bulletin," dated April 5, gives concise particulars of the effect of this Act on contracts.

Goods under a contract entered into before March 8 will be allowed to be landed free of duty up to April 14. Inquiry has been made, and the Association is officially informed that the Government's interpretation of the word "contract" is that they will require definite proof in the form of copies of orders and originals of the foreign exporter's acceptance of such orders. While this Act is in force entries for all goods claimed to be outside the operation of the Act which are imported from European countries must contain a declaration in the following terms: "I declare that the merchandise shown in this entry (1) is not consigned from Germany to the United Kingdom, and (2) is wholly manufactured or produced outside Germany, or being partially manufactured or produced in Germany, 25 per cent. or more of the value is attributable to processes of manufacture undergone since the goods last left Germany." A certificate of origin signed by a British Consular officer is also required, except where the goods are valued at under 5*l*. On the arrival of the goods, whether at London or a provincial port, all documents as evidence that the goods do not come within the Act should be sent to the Custom House, London, E.C. 3. In cases where the Customs are satisfied that the goods in question are not liable to the tax, an order will be issued for their release. In cases where it is decided that goods are liable to the tax, they will be held in bond until payment of the tax has been made by the British importer.

British Empire Chamber of Commerce in U.S.

With head offices at 165 Broadway, New York, the above organisation has recently been established by the leading British firms in the States, and its activities will in the near future cover the whole of the United States of America, and will no doubt become a very powerful trade body, and be of much practical assistance to their members and the trade of the Empire generally.



The (Home Office) Bird and the (Dope) Worm.

(*With acknowledgments to Felix Leigh and Messrs. Blackie.*)

Exclaimed the Mouse: "A meal? Let go!
My tail's no worm, I'd have you know."
The Bird apologised, they say,
And in confusion hopped away,
To warble sadly in his tree:
"Why aren't things what they *seem* to be?"

Personalities.

Colonel Nathan Raw, M.D., M.P., has accepted the deputy-presidency of the Vermin Repression Society.

Mr. F. J. Gibson, J.P., chemist and druggist, Wolverhampton, has been returned unopposed to the local board of guardians.

Mr. Allan Arthur informs us that he is no longer connected with Ford, Cook & Co., Ltd., 6 Well Street, London, E.C., of which company he was formerly a director and representative.

Mr. W. Guthrie Tulley has been appointed general manager of the Norris-Farrow Advertising Service, Newcastle-on-Tyne. This company is promoting an advertising exhibition at Newcastle-on-Tyne in June.

Mr. R. Kirkness, chemist and druggist (Walker & Kirkness, chemists), Ashford, Kent, was a successful candidate at the urban council election on April 2. Mr Kirkness has been in Ashford for twenty-one years.

Mr. Charles Thomas Ward, chemist and druggist and dentist, Southwick, has, for the thirty-first year in succession, been returned as people's warden at the parish church. Mr. Ward has never been absent from a Sunday morning or evening service during the whole of his period of office.

In "The London Gazette" of April 5 it is announced that Mr. Joseph Liffschitz, chemist, 542 High Road, Leytonstone, London, E. 11, has assumed the surname of Liff. Mr. Pascal Auguste Joseph Rossignol, "merchant in chemicals, etc.," 107 Cannon Street, London, E.C. 4, has assumed the title P. A. Rossignol & Co.

Mr. T. H. Coates, chemist and druggist, one of the directors of Boots Cash Chemists (Lancashire), Ltd., and manager of the Manchester warehouse, was, on March 31, presented with an illuminated address, a gold fob, and two Masonic signs by the company's stocktakers in the Lancashire area on the occasion of the reorganisation. (The stocktakers are now under the direction of headquarters.) Mr. F. Bennett, who made the presentation, spoke of the esteem in which Mr. Coates is held by the staff, of which he has had control for the past fifteen years.

The House of Commons met on April 4 after the Easter adjournment. During the recess there has been a rearrangement of Ministerial officers. Among the changes is the transference of Sir Robert Horne from the Board of Trade to the Chancellorship of the Exchequer. His place at the Board of Trade will be filled by Mr. Stanley Baldwin, who was Under Secretary to the Treasury. Dr. Addison has been moved from the Ministry of Health, his place being taken by Sir Alfred Mond. Regarding this, "The Times" states:

> Among the other changes few tears will be shed for the disappearance of Dr. Addison from the Ministry of Health. He made a similar involuntary withdrawal from the Ministry of Munitions towards the end of the war. The puzzle is why a Minister with so many failures to his credit should be comfortably settled again in office as Minister without portfolio. There ought to be no Minister without portfolio at this time of day.
>
> Whether this change means fewer wild-cat schemes foisted on the country remains to be seen. The drug-trade has for some time been the object of attack by this medical Minister.

Guadeloupe's vanilla crop for 1920-21 is estimated at 85,000 lb., or twice as much as last season.

London Matriculation Concessions.—Persons over twenty-five years of age who possess certain definite professional qualifications or special qualifications for research are, subject to the approval of the Matriculation Board, allowed certain concessions in respect of the London University's Matriculation examination. This shortened examination, which comprises two parts (one written, in which there are four papers, and one oral), is held four times a year. Full particulars are obtainable from the External Registrar, the University of London, South Kensington, S.W. 7.

Marriages.

Bennett—Rothwell.—At St. Philip's Church, Litherland, Liverpool, on March 28, by the Rev. J. Howard Preston, B.Sc., Arnold Bennett, chemist and druggist, to Alice Rothwell (formerly of Q.A.I.M.N.S.R.), Litherland.

Corfield—Caird.—At Church End Congregational Church, Finchley, London, N., on March 30, Charles Edwin Corfield, B.Sc., F.I.C., Ph.C., to Ella Caird, B.Sc., A.I.C., Ph.C., younger daughter of the Rev. David Caird, Lyndhurst, Regent's Park Road, Church End.

Dale—Roussel.—At Calais, on March 30, John Douglas Dale, pharmacist, son of Mr. John Dale, M.P.S., Steel Bank Pharmacy, Sheffield, to Marie Thérèse, daughter of Monsieur Roussel, Rue Newton, Calais.

Dutton—Deakin.—At St. John's Church, Hartford, Cheshire, on April 2, by the Rev. H. H. Pitts, M.A., Vicar, Captain Frank Falconer Dutton, M.C., D.F.C., only son of Mr. G. W. D. Dutton, J.P., Hillingley, to Gladys Margaret Deakin, elder daughter of Mr. J. W. Deakin, J.P., chemist and druggist, Braeside.

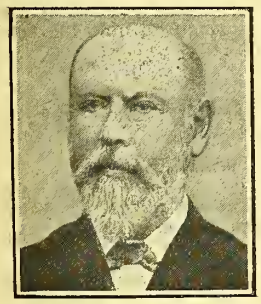
Evans—Owen.—At Culvaria Baptist Church, Aberdare, recently, John Ivor Hope Evans, chemist and druggist, Nantymoel, son of the Rev. Hope Evans, Mardy, to Mary J. Owen, only daughter of the late Mr. Richard Owen, Mardy.

Gordon—Middleton.—At St. Margaret's, Roath, on March 30 by the Rev. J. L. Wellington, Alexander Smith Gordon, chemist and druggist, 5 Salisbury Square, Cardiff, younger son of Mr. James Gordon, Portsoy, to Elsie Kate, only daughter of Mr. H. M. Middleton, 30 Cyn-Coed Road, Penylan.

Wells—Greenhalgh.—At St. Mary's Church, Portsmouth, on March 28, by the Rev. Llewellyn Jones, James Wells, chemist and druggist, 34 Park Lane, Croydon, to Gertrude E. Greenhalgh, daughter of Mr. T. E. Greenhalgh, chemist and druggist, New Road East, Portsmouth.

Deaths.

Barton.—At St. Ives, Huntingdonshire, on April 2, Mr. Henry Barton, Ph.C., Bridge Street, aged seventy-six. Mr. Barton, who was a native of St. Ives, was apprenticed with Harvey & Quibell, Newark, in 1859, and, after serving a five years' term, studied at the Bloomsbury Square School of Pharmacy. He passed the Major examination in December 1864, and gained further experience with Corbyn, Stacey & Co., High Holborn, London, W.C., and with Mr. Nathaniel Smith, Cheltenham. In 1870 he acquired the business of Mr. T. Prior, St. Ives, and conducted it personally till within six months of his death. Mr. Barton took no part in public affairs, but was connected with the literary societies of the town. He leaves a son, Mr. F. C. Barton, chemist and druggist.



Mr. H. Barton, Ph.C.

Blyth.—At 3 Upper Gloucester Place, London, N.W. 1, on March 30, suddenly Mr. Alexander Wynter Blyth, M.R.C.S., F.I.C., F.C.S., barrister-at-law, public analyst for the county of Devon and the borough of Marylebone, aged seventy-five. Mr. Wynter Blyth was the author of several treatises and of numerous contributions to the proceedings of scientific societies. His book on poisons (fifth edition) was reviewed in The Chemist and Druggist, April 2, p. 70.

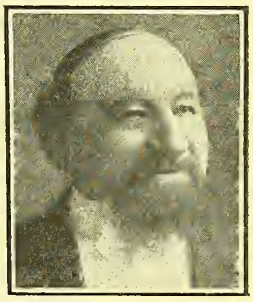
Cameron.—At Accrington, on April 2, Mr. J. R. Cameron, father of Mr. W. R. Cameron, chemist and druggist, 198 Union Road, Oswaldtwistle.

Cruickshank.—At 6 Craighouse Road, Edinburgh, on March 29, Helen Gray Graham, wife of Mr. Alexander Cruickshank, chemist and druggist, late of Musselburgh.

Farrow.—At the residence of his parents, 43 High Street, Brompton, Chatham, on March 26, of endocarditis, Mr. Albert Edward Beaumont Farrow, eldest son of Mr. A. E. Farrow, chemist and druggist, aged twenty-three. Mr. Farrow, junior, served for three years during the war in the Royal Engineers, and was for the greater part of that time in France, where he contracted trench fever. Since his release from the Army he had been studying at Portsmouth for the Qualifying examination. While motor-cycling homeward for the Christmas holidays last year he was taken ill at Godalming, and on the advice of Mr. J. H. Mather, Ph.C., stayed in the town. Unconsciousness supervened, and although he recovered sufficiently to be removed home at the end of the month, he gradually sank despite the most assiduous nursing. Deep sympathy has been extended to his parents.

Hollis.—On March 31, Mr. Frederick William Hollis, for many years with Arnett & Co., chemists, Fulham Cross, London, S.W. 6, aged forty-three.

Lelasseur.—At Mitcham Villa, Croydon, Mr. Philippe Auguste Lelasseur (John Jakson & Co. (Mitcham Road), Ltd., West Croydon, essential-oil distillers), aged eighty-two. The late Mr. Lelasseur was born at Montreuil l'Argille (Eure), France. He commenced the study of chemistry as a youth, and continued as a druggist until 1869, when he discovered the secret of successfully making mustard into a plaster, and during the next fifteen years carried on the manufacture of these plasters (Sinapismes Parisiens) as well as his drug business. In 1884 he sold his factory to a well-known French commercial firm and came to England, where he acquired the old distillery of Piesse & Lubin at Mitcham, and founded the firm of John Jakson & Co. He brought over from France all the newest machinery for the distilling of essential oils, especially for peppermint, lavender, and chamomile oils. Gradually improving his distillery and acquiring farms for the production of his crops, he eventually succeeded in establishing one of the largest essential-oil businesses in Great Britain, with a world-wide reputation. Mr. Lelasseur took an active part in the firm until the last few years. The business will be carried on, as before, by his family.



Mr. P. A. Lelasseur.

Wills.

Mr. Joseph Bennett Brierley, retired chemist and druggist, Kent House, Middleham, Yorks, who died on February 26, left estate valued at 2,004*l*. Probate of his will has been granted to his sons, H. C. Brierley, chemist, Middleham, and R. E. Brierley, Civil servant, 5 Kent Road, Kew.

Mr. James Baxter, J.P., chemist and druggist, Arndilly, 120 Bo'ness Road, Grangemouth, who died on August 8, left personal property in the United Kingdom valued at 11,990*l*., of which 5,579*l*. is in Scotland. Probate of his will has been granted to Mrs. Margaret S. R. Baxter, Evelyn M. R. Baxter, Agnes I. Baxter, and John Baxter, chemist, all of Grangemouth.

St. Vincent Arrowroot.—The exports from St. Vincent during 1919 were valued at 42,222*l*., against 95,828*l*. in 1918. The reduction was due to the decline in prices in the London market.

Trade Notes.

Southall's Towels.—The reduced prices of Southall's sanitary towels, which came in force on April 1, are given in the advertisement of Southall Bros. & Barclay, Ltd., Birmingham.

Bottle Buying.—Mr. James A. Roche, bottle merchant, 16 Brazennose Street, Manchester, invites applications for samples and prices of all kinds of bottles, of which he has a large stock.

Strychnine.—Smith, Stanistreet & Co., Ltd., Calcutta, are now making strychnine on a commercial scale in India. In an advertisement in this issue the company invites applications for prices and samples.

Calime is a specially prepared lime for pharmaceutical and fine-chemical purposes. It is prepared by the Callow Rock Lime Co., Ltd., 810-811 Salisbury House, London Wall, London, E.C. 2. Samples and prices will be sent on application.

Photographic Fair.—The organisers of the Photographic Fair remind our readers in an announcement in this issue that the fair opens on April 15 at the Horticultural Hall, Vincent Square, Westminster, and remains open until April 23.

Koh-i-Noor Tooth-brushes.—The proprietors of the Koh-i-Noor tooth-brushes offer to supply, through wholesale houses, a counter-display stand for exhibiting the brushes in the pharmacy. An advertising campaign to the public which is in progress is designed to bring customers to chemists' shops.

Butcher's Catalogue.—W. Butcher & Sons, Ltd., Camera House, Farringdon Avenue, London, E.C. 4, have issued this week the 1921 edition of their abridged catalogue. It consists of 224 pages and enumerates the Butcher specialities and other photographic goods.

Nujol Prices.—John Morgan, Richards & Sons, Ltd., 46-47 Holborn Viaduct, London, E.C. 1, inform us that through an oversight a circular sent out with Nujol suggests that the prices may be again increased. The proprietors, however, have no intention of raising the prices, which are 3*s*. and 6*s*. per bottle.

Marseilles Soap.—The South London Manufacturing Co., Ltd., 90 and 92 Clapham Park Road, London, S.W. 4, are sole distributing agents for the United Kingdom for Honoré Court de Payen, manufacturers of L'Abeille brand Marseilles soap. This soap conforms to the requirements of the British Pharmacopœia for sapo durus.

Bottle Bargains.—F. Owens & Co., Ltd., Temple Chambers, Temple Avenue, London, E.C. 4, explain the reasons why they are offering their stock of bottles at reduced prices, and express the opinion that the trend of legislation will cause a rise in the price of bottles. For these reasons it is desirable to take advantage of such offers.

Cirengol Poster.—The illustration herewith shows the poster which Thomas Christy & Co., 4, 10 and 12 Old Swan Lane, Upper Thames Street, London, E.C., are sending out with Cirengol, the insecticide to which reference was made last week. The poster measures 14 by 9½ in., and is in colours, the green-fly being appropriately in pale green.

"Ensign Handbook of Photography."—The price-list for 1921 of Houghtons, Ltd., 88 and 89 High Holborn, London, W.C. 1, which has just been issued under this title, contains a concise guide to photography—occupying about a hundred pages—followed by a list of cameras and sundries required by the amateur photographer. The "Handbook" sells to the public at 6*d*. A key showing the trade discounts is issued to photographic dealers.

Margerison's Soaps.—J. Margerison & Co., White Windsor Soap Works, Preston, announce that they are now in a position to supply their products direct to chemists. These articles include buttermilk soap, Mardonia toilet soap, Marcura skin soap, and white Windsor soap. The firm's advertisement dealing with this matter is inserted in this issue.

Enolin Competition.—A. & E. Carreras, 207 King Street, Hammersmith, London, W.C., give particulars in an advertisement in this issue regarding prize schemes for chemists and the public. In the chemists' scheme 575*l*. cash prizes are offered, the plan involving the purchase of a parcel of Enolin preparations for 14*s*. 6*d*., the registration of the purchaser's name, and the exhibition in the window of the Enolin general competition bill. The trade competition is open from April 15 to July 15.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From "The Trade-marks Journal," March 16, 1921.*)

"Ingot"; for medicinal chemicals (3), surgical instruments, etc. (11), indiarubber goods (40), and for perfumery, etc. (48). By Ford, Cook & Co., Ltd., 6 Well Street, London, E.C. 1. 411,350/351/352/353. (Associated.)

"Optarson"; for medicinal chemicals (3). By Farbenfabriken, vorm. Friedr. Bayer & Co., Leverkusen, near Cologne, Germany. 411,628.

"Kuzema"; for medicinal chemicals (3). By R. Stevenson, 8 and 9 Townhall Street, Enniskillen, Ireland. 411,642.

"Nuctone"; for toilet preparations (48). By J. Stewart, 122 Princes Street, Edinburgh. 410,684. (Associated.)

"Boncilla"; for toilet preparations (48). By The Crown Chemical Co., 311 East South Street, Indianapolis, U.S.A. 411,620.

(*From "The Trade-marks Journal," March 23, 1921.*)

"Ratox"; for chemicals (2). By A. Robertson & Sons, Ltd., Soroba Road, Oban. 400,134.

"Imex" in triangular device (triangle disclaimed); for chemicals (2) and (3). By the Wholesale Import and Export Merchants, Ltd., Alderman's Walk, Bishopsgate, E.C. 2. 407,461/462. (Associated.)

"Swifan"; for an animal medicine (2). By G. Lewis, 53 Beatrice Street, Oswestry, Shropshire. 411,750.

"Pestix"; for chemicals (2). By R. T. Robinson, 77 The Avenue, Higham's Park, London, E. 4. 411,891.

"Careno"; for medicinal liquorice (3). By Carénou & Tur, Moussac (Gard), France. 408,997. (Associated.)

"Maltone"; for medicinal chemicals and extracts of malt (3). By the Maltine Manufacturing Co., Ltd., 183 Acton Vale, London, W. 3. 409,388. (Associated.)

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

E/313. Lewis' trotter oils
S/313. Roubert's Indian hair-perfume
D/54. Phospholeath
W/54. Celluloid double ear 'phones and trumpets
A/54. Red Seal brand caustic soda
K/24. Cumol for sterilising ligatures
E/293. Daisy clay
M/24. El Cambio perfumed vegetable hair-oil
S/313. Cheap small turned-wood pill-boxes

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4.

Ammonia bottles, J/293
Gets-it corn remedy, E/54
Gibbs' hollow suppositories, P/64
Granose malted biscuits, P/44
Hawksley's milk steriliser, M/64
Iodoglidine, B/64
Joybells brand of honey, L/313
Kalmine capsules, M/14
Ratinol, G/213
Rigard's perfumery, D/44
Riodine, A/313
Santal Midy, L/313
Squibb's pure ether, E/14
Stein's cold cream, E/14
Up-to-date hearing appliances, B/14
Vichy water, L/313
Vick's salve, D/64
Vasenol, H/54

Observations and Reflections.

By Xrayser II.

The Futility

of the Dangerous Drugs Act Regulations, so far as regards the use of these drugs in prescriptions, is clearly shown in the evidence of Drs. Cox and Bone, printed in the *C. & D.* last week, as is also the inadequacy of the exemption of a few preparations of opium as an amendment of the Regulations; but surely something has dropped out of one sentence of the evidence, which as it stands, is almost worthy of a place in "Punch's" list of things one would like to have said differently. The Association does not wish the Committee to satisfy itself that the profession has been at fault with regard to these drugs, but does wish it not to approve the Regulations until it is satisfied. The second sentence of paragraph 3 therefore requires "before approving the Regulations" after the first "that." The point of paragraph 9 is well illustrated by the alleged case of prescription forging at page 51 of the same issue. How can a chemist possibly know whether prescriptions from a distance are genuine or not?

The Key Industries

resolutions of the Safeguarding of Industries Bill affect the chemical industries more perhaps than any other, and though this is not in itself a condemnation of them it naturally makes us more critical of them. They are indeed, unless I am uncritically sensitive on the point, more open to objection than the anti-dumping resolutions. To disallow the free importation of goods at a less price than that at which they can be produced in the country of origin is much more defensible than the laying of a duty on goods sent us on reasonably fair terms; and if the key industries section of the Bill does that it is to that extent a bad Bill—bad in principle, and therefore, it may safely be said, ultimately bad in effect. In saying this the artificial conditions created by existing rates of exchange must be remembered, but under normal conditions it must, on a large view of the subject, be admitted that the imposition of tariffs to meet honest foreign competition is bad policy.

The Next War

will certainly be in the main a chemical war unless something is done meanwhile to prevent it, and the prospect of what is possible both to combatants and non-combatants in such a war is so appalling that already the question of chemical disarmament is being discussed between Great Britain and the United States. Major Lefebure, who during the late war was *liaison* officer for chemical warfare, etc., between this country and France, contributes an article on the subject to the "Daily News" which is well worth pondering. Disarmament, he says, must cover three essential factors—the combatants, mechanical types of armament, and war chemicals. It is the last-named that most concern us. War chemicals include all chemical propellants, explosives, and poison gases, but gases are chiefly aimed at in these proposals for disarmament, and they seem to present the chief difficulty. Without the exercise of complete control of chemical research and invention, which is practically impossible and if possible would be an intolerable interference with chemical industry, the production of poison gases could not be prevented. The alternative Major Lefebure suggests is the prevention of a monopoly of the production of war chemicals in any country, by the redistribution of organic chemical production throughout the world. There are, he declares, means at our disposal in certain clauses of the Versailles Treaty that would lead far in this direction. He does not explain how the attainment of this end would facilitate disarmament, but we may suppose he thinks that if no single country had any manifest advantage over any other in this respect all would have an equal desire to see the use of poison gases in warfare prohibited. Would they? What about armaments in general?

The Result of the Election

to the Executive Committee of the Retail Pharmacists' Union presents some noticeable features. Chief among these is the defeat of Mr. Neathercoat, whose return, regrettable as it would have been on account of his Presidency of the Pharmaceutical Council (a position sufficiently onerous to demand all his time and energies) might have been, and no doubt was, confidently expected. Mr. Body's defeat is an almost equal surprise, and is in many respects regrettable. He would have been a force for good on the Committee, and his rejection reflects something like ingratitude upon Section 6, for which he stood. It is strange that so many of the voting papers were out of order. This was most remarkable in Section 6, next to which in this respect comes Section 4, then Section 5. In some of the sections the voting was so close that, had all these papers been in order, the third place on the poll might have been differently filled. In Section 4, for instance, Mr. Fleming was only four votes behind Mr. Walshaw, and the number of spoilt papers was twenty-four; in Section 5 three more votes would have placed Mr. Hindle on the Committee, and the votes lost numbered twenty-one. Had all the votes lost in Section 1 been given to Mr. Neathercoat, he would have been exactly equal with Mr. Wolff. These are the curiosities of the election, and prove nothing but the fortuitous nature of its result. Its value has still to be proved, but the omens are fair. We may at least be glad that some infusion of new blood has been effected.

My Note

on the Retail Pharmacists' Union and compulsion has brought me a welcome letter from an influential quarter (not Manchester), showing how the wind blows as regards the high-handed "propaganda" of some of the promoters of the new Union. Great umbrage has evidently been taken by some men who count for a good deal at such talk as that of Mr. Jenkin about the difficulty non-members of the Union will have in getting assistants, a supply of goods, and so on, and Mr. Mallinson's remarks on the Drug Club at Southport. As regards the latter, it is quite likely that Mr. Mallinson has been misunderstood; probably he meant no more than that the Union would enable us to arrange better terms of buying and selling, which is quite a legitimate object, but anything like a threat of organised opposition to any other branch of the trade than our own would be a serious blunder in tactics, and Mr. Jenkin's warnings (as I suppose they were meant to be) simply damn the Union beforehand in the minds of many even of its well-wishers. The idea appears to be getting about that if we are not careful we shall find that the transference of our business cares from the Society to the Union is equivalent to an exchange of King Log for King Stork.

A Function of the Merchant

not directly mentioned in your article of last week is the stabilisation of markets. The need of some sort of intermediary between producer and consumer in this respect is well brought out in Kinglake's "Eothen," still one of the most fascinating books of Eastern travel in the language. Kinglake describes in his vivid style the sort of thing that takes place daily in Eastern markets, where all the bargaining is directly between the producer and the consumer. The former comes to market with his goods, knowing nothing of their value as it is determined by supply and demand, and nothing of the local conditions on which these depend. So he dumps down his goods in the bazaar and demands the most exorbitant price, reckoning upon being beaten down (as he is) to something like their value on the spot. A crowd gathers round and takes part, not without dust and heat, in the bargaining; the racket is terrific, the time wasted infinite. Fortunately (at least, at the time when Kinglake wrote), time is valueless in the East and a row the most welcome of entertainments; but, though magnificent, transactions of this kind are not business. It is the middleman that makes them unnecessary.

Three reports of the Committee on the road conveyance of goods have been issued as a White Paper.

"SANITAS" EMBROCATION.
Invaluable for
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THE ATHLETE'S BEST FRIEND
Of all Chemists, and
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Buy from the Actual Manufacturers.
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Important Notice to the Chemist Trade.
Messrs. J. Margerison & Co.,
White Windsor Soap Works,
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having terminated their agreement with SOLE AGENTS, are now in a position to supply DIRECT to the Chemists their well-known Toilet Requisites, including the famous
BUTTERMILK SOAP,
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WHITE WINDSOR SOAP.
Messrs. J. Margerison & Co. make a speciality of "OWN NAME" SOAP, and a price list showing best terms for these and the large variety of other toilet preparations will be sent on application
Chemists' own formulæ will be treated confidentially and instructions carefully carried out.

TWINES ROPES CORDS
MEDICAL TWINES
FINE WHITE GREEN, RED or YELLOW 39/- 49/- Per doz. lbs. Delivered FREE.
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Editorial Articles.

The Society's Finances.

The financial report of the Pharmaceutical Society of Great Britain, which is printed elsewhere in this issue, is notable in several respects. It deals with the largest "turnover" in the history of the Society; registers the largest amount of examination fees ever received in a single year; adds a "record" amount to accumulated funds; proclaims an unparalleled increase in the cost of the "Journal," and shows that 1920 was the first year since the foundation of the Society that the School of Pharmacy has paid its way. The causes of these exceptional occurrences are not difficult to discover, and all have their origin in the economic upheaval caused by the Great War. The effect of the war has been to increase very largely the revenue of the Society; the Government grants to ex-Service men brought not only the greater part of the sum of 6,071*l.* 17*s.* received for school fees, but also the largest proportion of the income (29,422*l.* 16*s.* 6*d.*) from examinations. The exceptional increase in these items can be seen from the following table, from which it is obvious that the effect of the Government grants has been to qualify many more chemists in the aggregate than would have been the case if there had been no war. For this reason we take the comparison back to the pre-war year 1913:

Examinations.

	Fees Received.	*Cost of Examinations.*	*Balance.*
	£	£	£
1913	7,497	1,907	5,597
1914	7,755	1,776	5,979
1915	8,305	1,856	6,449
1916	4,694	1,247	3,447
1917	2,841	764	2,077
1918	3,399	850	2,549
1919	14,075	2,073	12,002
1920	29,422	8,209	21,213

The profit to the Society from examination and registration fees during the five years 1910-1914 averaged 5,320*l.* per annum, whereas in 1920 the profit was 21,213*l.*, and this notwithstanding that the previous year (1919)

showed the handsome surplus of 12,002*l*. These fees are now the chief source of revenue of the Society, as they are the most profitable. Before the war the subscriptions of members and student associates brought in the largest contribution to the funds. Those in 1913 amounted to 8,075*l*., but in 1920 the sum was 13,448*l*. There has been since 1913 an accession of members and an exceptional increase in the number of student associates, both being due to the increased number of persons studying for the Qualifying examination after the war. The number of qualified members in 1913 was 7,788; in 1920 it had risen to 10,803. The student associates were 484 in 1913, against 3,533 in 1920, and as these qualify a certain proportion become members. The trend of wages and salaries bill of the Society's officers and staff, as in all other institutions and businesses, has been in an upward direction; in the case of the Pharmaceutical Society the amount under this head is double what was paid in 1913. The figures are as follows:

	1913 £	s.	d.	1920 £	s.	d.
Wages	265	14	6	835	6	9
Librarian	300	0	0	145	0	0
Curator, etc.	516	12	3	503	7	3
Salaries	2,122	8	0	4,881	14	6
Bonuses	—			326	4	1
Pensions	500	0	0	400	0	0
Provident Fund ...	—			287	8	0
Total	3,704	14	9	7,379	0	7

There are many other salaried persons employed by the Society, but their emoluments are included in the expenses of the North British Branch, the School of Pharmacy, and the "Journal." In the case of the N.B. Branch the salary bill was 920*l*. 13*s*. 9*d*. (517*l*. 8*s*. 4*d*. in 1913), whilst the stipends, salaries, and wages of the School of Pharmacy were 3,676*l*. 0*s*. 8*d*. (1,759*l*. 8*s*. in 1913). There are no figures available as to the cost of the "Journal" staff, as the sum shown in the accounts is a "balance" only. It should be stated, however, that there are no statistics available of the number of persons receiving the wages and salaries given above. Law costs in 1920 were 1,046*l*., or more than double what they were in 1919. This is due no doubt to the amount spent on counsel's opinions and the test-case, which proved what was perfectly well known to the last generation of councillors, that the Society is not a trading concern. The curious thing is that the Society still engages in the publishing business, which was, even before the test-case, the largest item in its trading activities. The "Journal" actually costs the Society more than is spent on salaries as shown above, and this undertaking more than absorbed the annual subscriptions of the members in 1920. The rise in the cost of the "Journal" is the most prominent in the financial statement. The following table for the years 1913-1920 enables a comparison to be made for the pre-war, war, and post-war periods:

"Journal."

	Adverse Balance. £	*Postage Account.* £	*Total Cost.* £
1913	2,186	1,015	3,201
1914	2,408	1,089	3,497
1915	2,232	1,080	3,312
1916	2,180	1,258	3,438
1917	2,025	1,263	3,288
1918	3,123	1,179	4,302
1919	3,291	1,407	4,698
1920	8,104	2,178	10,282

This does not, we think, include a proportion of the rent, rates, and maintenance charges of the Society's premises where the "Journal" is produced. The increase in 1920 over 1919, it must be acknowledged, is tremendous, and shows that the trading side of the Society is as unprofitable as the professional side is profitable. It will be remembered that last July the Society took into its own hands the publishing of the "Journal," and as six months of the new management is included in the above figure, the result of a year's trading will be still more disastrous unless steps are taken to improve the condition of affairs. For part of the year the increased postal rates operated, but this still leaves the exceptional abnormal adverse balance. The "Journal," in a statement dated February 11, asserts that its circulation was 14,202 copies a week; but in the advertisements forgets to explain that from January 1, as a measure of economy, the Council ordered that the "Journal" was no longer to be sent to student associates, who on December 31 numbered 3,533. It remains to be seen whether this endeavour to prevent the adverse balance from increasing in 1921 will be successful. The subscription of members was, as is well known, raised 50 per cent. on January 1, but what effect this will have is not yet known outside official circles. The fact that so large a sum as 9,020*l*. has been added to the accumulated funds is a matter of sincere congratulation. The dealings on this item for the past few years are shown below:

Accumulated Fund.

	Added. £	*Deducted* £
1913	1,638	—
1914	397	—
1915	1,712	—
1916	—	1,507
1917	—	1,431
1918	—	2,664
1919	3,901	—
1920	9,020	—

There has thus been an addition of 11,066*l*. to the accumulated funds during the period shown in the table. In 1913 the amount of accumulated funds shown as assets in the balance-sheet was 42,628*l*.; in 1920 the amount is 54,286*l*. As can be seen from the "financial statement, it is the profitable nature of the examinations that enables the Society to "carry on" with a wages bill of over 7,379*l*., and an adverse balance on the "Journal" of 10,282*l*.—to name only two items in the accounts—and the problem before the Council now is how to find the money that will be needed when in 1922 the Government grants, which are received by the Society in the shape of school fees and examination fees, come to an end. It is doubtful whether the examination revenue will then be so much as it was in pre-war days, so that unless the income from subscriptions increases very much, or some new source of revenue is discovered, the amount added to the accumulated funds will soon disappear. It is as well to remember that the accumulated funds are mostly represented by freehold and leasehold buildings, and that the volume of liquid assets are comparatively small in value, although all property would be first-class security for loans from the bank. From the glimpses which the members of the Society get of the deliberations in council, it would seem that the Treasurer realises the difficult financial position he has to provide for. We suggest that the Council should take the members into its confidence, and convince them that ample prevision has been exercised in regard to the near future.

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Safeguarding British Industries.

In our issue of March 12 (p. 65) we gave an accurate forecast of the form which the Safeguarding of Industries Bill would take, and in last week's issue (p. 58) we published in full the two financial resolutions introduced in the Committee of Ways and Means as the preliminary to the introduction of the long-delayed Key Industries and Anti-Dumping Bill. Owing to the coal crisis, the discussion in the House of Commons will not take place until next week, and may be deferred even longer. The postponement is also due partly to the desire of the Government to give more consideration to the matter before it is submitted to the House. The resolutions have already been subjected to keen criticism on account of the loose manner in which they have been drawn up, but it is to be hoped that when the Bill is introduced later care will be taken to define the powers of the Board of Trade more precisely than has been attempted in framing the resolutions. The first proposal is to levy for a period of five years an *ad valorem* duty of 33⅓ per cent. on certain specified commodities claimed to be "key" industries, including all synthetic organic chemicals and "fine chemicals," whatever this term may represent. This duty will be imposed on goods from whatever country they may be imported. The second proposal is designed to check dumping, and places an *ad valorem* duty of 33⅓ per cent. on foreign manufactured and semi-manufactured articles "which are being sold or offered for sale at prices below the cost of production thereof." A similar 33⅓ per cent. *ad valorem* duty is to be placed by the Board of Trade on goods which are imported from countries where the balance of exchange is in our favour, providing that such importation causes unemployment in Great Britain. This latter proposal raises several grave issues, as in fact the duty means a discrimination of 33⅓ per cent. against our debtors in favour of our creditors. It penalises France, Italy, Belgium, Norway, and other countries where the exchange is in our favour; on the other hand, we shall be able to import freely from the United States and Japan, and so further depreciate sterling. The clauses protecting key industries will no doubt be received by British chemical manufacturers with general approval, as it is conceded that protection for a period of years is vital to our safety, particularly as Germany has adopted a deliberate policy of selling at prices which defy competition. Already considerable damage has been inflicted, both in the fine chemical, optical, and scientific glassware industries, where several works have been compelled to close down completely and others have materially reduced their staffs. The imputation was made that during the war the British manufacturers took full advantage of the prohibition of the importation of chemicals to exact high prices from their consumers at home, and were not disposed to foster export trade. This may have been so owing to abnormal conditions, but now that a temporary measure of "protection" is to be granted it rests with the industry as a whole to see that this charge is not repeated. In this connection we note that the manufacturers of chemical glassware have indicated their willingness to accept conditions which limit the profit on these goods. It is a truism to say that the foundation of our industrial prosperity is based on foreign trade, and one thing incumbent on this country is to see that we produce goods at such a rate and at such a price as will enable us to compete with foreign rivals. Otherwise our economic future is in jeopardy.

German Reparation (Recovery) Act.

The above Act, it is well understood, is part of the Government's programme of "searching the Germans' pockets" and extracting payment of the indemnity from them. It is, however, daily becoming more evident that it is acting as a double-edged weapon, and its practicability as a means of recovering adequate reparation is openly questioned in commercial circles. Up to the present the German exporter has no guarantee from his Government that he will be reimbursed the 50 per cent. which the British importer is to withhold and pay to our Government. So far the German exporter, as we reported several weeks ago, has naturally adopted the attitude that he will not despatch goods until payment has been made to him in full in Germany. It therefore looks as if every penny collected by the Customs under this Act will come out of the British importer's pocket, for which the German will be given credit. But the British importer will endeavour to pass the duty on to the retailer, and the retailer on to the absent-minded public. An instance has come under our notice in which a firm of agents, in response to an inquiry, gave a quotation to a London retailer, and after pointing out that when the goods arrived in this country from Germany they would be subject to the extra 50 per cent. duty, added:

> This extra 50 per cent. will have to be paid by you, and will, of course, be added to your account.

Not one of the Allies has yet adopted similar proposals to those in the Reparation Act. France and Belgium are considering the matter, but it is doubted whether Italy and Japan seriously intend to adopt the method. The proposals cannot become effective until all the Allies act in concert, and the feeling among importers is that the Act should be suspended until similar legislation is passed by the Allies. It is to be hoped that before long Germany will realise that her obstructionist attitude will permanently injure trade relations with her best markets. Further information as to how matters stand in regard to contracts entered into before March 8, and the Government's interpretation of the word "contract," will be found in the "Bulletin" of the British Chemical Trade Association, given on p. 44.

The Dosage of Thyroid Gland.

A correspondent in "The Lancet" calls attention to the ambiguity which exists among medical men as to the dosage of thyroid gland. In the B.P., the dose is stated in terms of dried gland, but the correspondent in question states that commercial houses, with only one exception, give the dose in terms of the fresh gland. Parke, Davis & Co. wrote subsequently to "The Lancet" that in the early days of thyroid medication our own practice in the matter of labelling thyroid gland tablets was based on the content of desiccated thyroid—*i.e.*, a tablet containing 1 gr. of desiccated thyroid was labelled "1 grain," with the statement that this was equivalent to 5 gr. of the fresh gland. Later we found that there was much misunderstanding as to the dosage and nomenclature of thyroid, and on making inquiries of a number of prescribers as to what they meant when they wrote "Tab. thyroid 1 grain" we found that, without exception, every doctor consulted by us meant 1 gr. of the fresh thyroid, or ⅕ gr. of the desiccated gland. In view of the importance attached to dosage of a potent drug like thyroid, it was felt that if any doubt existed as to the doctor's intention it was safer to err on the side of giving too small, rather than too large, a dose, and hence our practice was reversed and our labels altered accordingly. The labels now read thus: "Compressed Tablets Thyroids. Each tablet represents 1 grain of fresh thyroid gland equal to ⅕ grain of *Thyroideum siccum*, B.P.," and medical men who see our labels, or who read our literature, can be under no illusion as to the actual thyroid content of any tablet.

Duncan, Flockhart & Co., point out, however, that the result of their inquiries among medical men was different

from that of Parke, Davis & Co., the dried substance being what doctors stated they intended when ordering thyroid tablets. Attention is also called to Mr. R. Glode Guyer's paper before the British Pharmaceutical Conference, 1913, entitled "Factors Relating to the Pharmacy of Thyroid Gland," in which the need for uniformity in the system of prescribing thyroid-gland tablets is insisted upon. The question has been raised since then, and is apparently still unsettled.

Manufacturers' Agents and Excess Profits Duty.

An item of news which appeared in the *C. & D.* (March 5, p. 49) has attracted attention, and we have been asked for any further information at our disposal bearing on the matter. We refer to the report of the meeting of the Manufacturers' Agents' Association of Great Britain and Ireland, and the announcement that the Commissioners had decided that *bona-fide* agents to manufacturers are not liable to excess profits duty and that amounts already paid are being refunded. The statement is substantially accurate, and it may perhaps be useful to readers if we set out what exactly is the position as regards liability to the duty of agents of the kind in question. Section 39 (*c*) of the Finance (No. 2) Act, 1915, when defining the class of persons liable to the tax, gave exemption to "a commercial traveller or an agent whose remuneration consists wholly of a fixed and definite sum not depending on the amount of business done or any other contingency." For some reason, not very easy to follow, it had been the practice of the Commissioners of Inland Revenue to limit the exemption to cases in which the relationship of master and servant existed between the parties. Accordingly, they last year assessed to the duty a Mr. S. Binney, a member of a Commercial Travellers' Association, under the following circumstances: Mr. Binney occupied a room at a London office of one of his principals, but spent most of his time in travelling. He employed and paid four men, who travelled for orders, and he paid travelling and postage expenses incurred by himself and his employees. Occasionally he received instructions from his principals as to the particular town to be visited, but such visits were generally left to his own discretion. On appeal to the High Court it was decided that the Commissioners were wrong, and that the assessment ought not to have been made. Mr. Justice Rowlatt, in his judgment, pointed out that the Act was intended to deal with people who conduct their own businesses, not businesses of other people, whose mere servants they are. The decision having been subsequently referred to by Sir A. Holbrook in the House of Commons on December 22, 1920, the Chancellor of the Exchequer dealing with the payments of duty which had been made under the erroneous ruling of the Commissioners, said: "The Commissioners of Inland Revenue, in accordance with their custom, will repay, on application, excess profits duty in cases where the question of liability is governed by the decision referred to in my honourable and gallant friend's question (Binney's case), and will, so far as the matter rests with them, facilitate the hearing of any appeals arising out of this decision which may properly lie to the general or special Commissioners." The decision not having been appealed against further, is, of course, binding on the Commissioners, and effect is being given to it, both as regards assessments and repayments of the duty.

Pharmaceutical Specialities in Spain.

British manufacturers of pharmaceutical specialities will learn with interest that Spanish pharmacists resent the discrimination made against foreign products by such countries as France. The Association of Catalonian Pharmacists, in conjunction with that of Madrid, has presented a petition to the Spanish Prime Minister, reminding him that, according to the provisions of the Royal Decrees of 1863, 1864, and 1866, regulating the practice of pharmacy in Spain, "the importation and sale of all remedies and galenical compounds which are not specifically enumerated in the Customs tariff are forbidden," and that these provisions are still in force. Nevertheless, it is a well-known fact that foreign specialities have always been imported into Spain, in spite of the laws to the contrary. By the enactment of the Decree of 1919, regulating the sale and importation of pharmaceutical specialities, foreign products are allowed to enter freely, provided they comply with the prescribed formalities. That is to say, application for registration must be made, and only those preparations bearing the registered number granted by the board of health will be permitted to enter the country, as already outlined in the *C. & D.* The new regulations as to the importation of foreign specialities were to be enforced as from April 1 of this year. The object of this petition is not to ask for the rigid enforcement of the older measures, prohibiting the importation of foreign preparations, but to draw the Prime Minister's attention to the fact that whereas foreign specialities are permitted to enter Spain in large quantities, it is impossible to export to certain countries a single Spanish product of this kind, notwithstanding that that country is at liberty to throw thousands of its specialities on the Spanish market, a state of affairs which the petition states constitutes "an irritating inequality, a source of reproach and an implied inferiority of the Spanish pharmaceutical profession." The associations ask the Prime Minister to take the necessary steps to ensure reciprocity on this point with other countries. It is apparent that this petition is principally directed against France, where the importation of all foreign compounded medicines not contained in an official pharmacopœia is forbidden. Already the Belgian pharmacists, in answer to the protests made by French manufacturers of specialities on being required to comply with the terms of the recent Belgian Decree, which demands the disclosure of the formula on the label, reminded their French *confrères* that in view of the French attitude of forbidding the importation of all foreign specialities, they certainly have no reason to complain of being required to comply with the mere formality prescribed by the Belgian regulations, which places no prohibition on the entry into that country of French preparations.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, April 11.

Royal Society of Arts, John Street, Adelphi, London, W.C. 2. Dr. S. Judd Lewis on "Recent Applications of the Spectroscope and the Spectrophotometer to Science and Industry" (Cantor Lecture I.). (Lectures II. and III. on the following Mondays.)

Tuesday, April 12.

Ealing Pharmacists' Association, Eden's Restaurant, High Street, at 8.30 P.M. Meeting.

Wednesday, April 13

Edinburgh Chemists' Golf Club. Fixture at Torphin.

Leeds Chemists' Association. Mr. F. Pilkington Sargeant (Vice-President of the Pharmaceutical Society) will give an address.

Liverpool Chemists' Association, Royal Institution, at 8 P.M. Mr. F. Wokes on "Mesopotamia, 1917-20." Lantern lecture.

Manchester Pharmaceutical Association, Council Chambers, Houldsworth Hall, Deansgate, at 3 P.M. Annual meeting.

Thursday, April 14.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 6.30 P.M. Supper and whist-drive. Tickets (7*s.* 6*d.* each) from the Secretaries and members of the Committee. Proceeds in aid of the Benevolent Fund of the Pharmaceutical Society.

North Staffordshire Chemists' Association, Café Royal, Stoke Road, at 6.30 P.M. Annual dinner. Tickets (10*s.* 6*d.* each) from Mr. Bloor, Longton; Messrs. Challinor and Kemp, Fenton; Mr. Bentley, Stoke; Mr. Shaw, Hanley; and from the Secretary, before April 11.

Sheffield Pharmaceutical Students' Association, Imperial Rooms. Annual dance (7 P.M. until 11 P.M.). Tickets (2*s.* 6*d.* each) from Mr. W. R. Fairest, 10 Baltic Road, Sheffield.

Chemists' Defence Association, Ltd., Holborn Restaurant, London, W.C. Annual meeting.

Saturday, April 16.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W. 1, at 3 P.M. Dr. H. H. Dale, F.R.S., on "Poisons and Antidotes" (Lecture II.).

West Midland Federation of Pharmaceutical Associations.—The second members' meeting will take place at Stafford on April 21, at the Swan Hotel, at 3.15 P.M. Mr. A. R. Melhuish will attend from the Council of the Pharmaceutical Society. The Staffordshire Association is providing tea at 4.30. The Staffordshire Association will give a dinner, at 6 P.M., to Mr. T. W. Garland. Tickets (7*s.* 6*d.* each) from Mr. C. H. Trotter, Hon. Secretary. Application before April 14.

Pharmaceutical Society of Great Britain.

Council-meeting.

A Meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on April 6. The chair was occupied by the President (Mr. E. T. Neathercoat), and all the members were present with the exception of Mr. J. R. Young, who is suffering from ill health. The minutes of the meeting held on March 1 had evidently been confirmed at the private meeting of the Council held on the previous evening.

Annual Statement of Accounts.

The secretary submitted the annual statement of accounts, and intimated that this, together with the auditors' report, had been circulated among members of the Council. It was formally proposed, seconded, and unanimously agreed to that the statement be received. There was no comment.

[A summary of the statement, comparing the various items with the corresponding ones for the previous year, appears on p. 54.—Editor.]

Council Candidates.

The secretary reported that twelve nominations had been received for the seven vacant seats on the Council, and that the following nine nominees had expressed their willingness to accept office if elected :

Buchanan, Margaret E., London	Neathercoat, E. T., Weybridge
Campkin, A. Sidney, Cambridge	Nightingale. H. R., London
Guthrie, Thomas, Glasgow	Sargeant, F. Pilkington, Leeds
Hardy, Thomas, Maryport	Wolff, Hugo, London
Keall, John, London	

The following nominees had not expressed their willingness to accept office :

Antcliffe, Herbert, Sheffield	Jenkin, Arthur H., London
Cuff, J. Harcombe, Dover	

Auditors.

The secretary reported that the following were nominated for election as auditors, and had expressed their willingness to accept office : G. B. Francis, J. F. Harrington, J. S. Hills, T. E. Lescher, and E. J. Millard.

Elections and Restorations.

It was agreed that seventy-three persons be elected members of the Society, that sixty-one be elected student-associates, and that seven be restored to the Society. The registrar reported that there had been eighty registrations of apprentices as students since the last meeting.

British Pharmaceutical Conference.

The secretary read a letter from the British Pharmaceutical Conference, inviting the attendance of members of the Council as representatives of the Society at the annual meeting of the Conference to be held on June 13-17 inclusive, at Scarborough. The communication stated that the Presidential address would be delivered by Mr. E. Saville Peck on June 14, and asked for the names of the delegates nominated by the Council.

On the suggestion of the President, it was decided that a paper be passed round the Council table, and that members willing to attend the Conference should sign their names. The following signified their intention to attend : Miss Buchanan, and Messrs. Bilson, Currie, Deakin, Hines, Keith, Melhuish, Rowsell, Sargeant, Skinner, White, and Wolff.

Mr. Parry said that, speaking from experience in former years, he had found that when similar invitations had been received from the British Pharmaceutical Conference, members of the Council had put down their names as delegates representing the Society who, when they did so, had not the slightest intention of attending the meetings. "Let us try to be honest in this matter," he added. "It is not quite straight to put your names down there as going to the Conference unless you really intend to try to attend the meetings."

The President : You are a little bit out of order, Mr. Parry.

Mr. Parry : I know, sir. The whole thing is out of order, because it is wrong. The whole thing is a farce.

It was proposed by the President, and seconded by the Vice-President, that the members named should be authorised to represent the Council as delegates at the Conference.

The President : I take it that the names of the editor (Mr. Gilmour) and the secretary will be added to the list.

Mr. Parry : I have put down my name, and it seems to me——

The President : Mr. Parry, it is impossible for two of us to talk at one and the same time, and I think it will be agreed that it is my place to have the ear of the Council when I ask it. My suggestion is that the secretary and the editor should be added to the list of delegates of the Council.

Mr. Parry : I had intended to put my name down there, but it seems to me that members who put their names there should attend.

The President : The list has been passed.

Mr. Parry : Then it has not passed me. (Laughter.) I intended to go to Scarborough, and I mean to go.

The President : I am sure the Council will allow Mr. Parry's name to be added.

Mr. Hagon : And let those who have given in their names give 5*l.* 5*s.* to the Benevolent Fund if they do not go. (Laughter.)

It was then agreed that the name of Mr. Parry should be added to the list just adopted.

Finance Committee.

The financial statement is summarised as follows : Receipts since the last meeting, including a balance of 2,999*l.* 13*s.* 3*d.*, amounted to 11,481*l.* 1*s.* 11*d.*, made up as follows : "Journal" and publications, 2,516*l.* 17*s.* 3*d.*; certificates of qualification, 4*l.* 19*s.*; restoration- and registration-fees, 153*l.* 6*s.*; penalties and costs, 20*l.* 5*s.*; subscriptions, 3,545*l.* 17*s.*; examination-fees, 2,079*l.* 6*s.*; dividends, 36*l.* 10*s.* 11*d.*; preparatory course, 90*l.*; Local Associations Executive Committee, 34*l.* 7*s.* 6*d.* After deducting payments amounting to 3,685*l.* 19*s.* 3*d.*, authorised at the last meeting, there was a balance of 7,795*l.* 2*s.* 8*d.* The other balances were : Benevolent Fund (current account), 1,835*l.* 0*s.* 11*d.*; Benevolent Fund (donation account), 670*l.* 4*s.* 3*d.*; War Auxiliary Benevolent Fund, 1,303*l.* 3*s.* 2*d.*; Orphan Fund, 263*l.* 2*s.* 6*d.*; Local Associations Executive Committee, 133*l.* 8*s.* 5*d.* The report of the Finance Committee recommended payment of accounts amounting to 4,875*l.* 11*s.* 10*d.*, and that the action of the secretary in making payment of items amounting to 695*l.* 17*s.* 5*d.* be approved.

The Treasurer (Mr. Bilson) raised points relative to the lease of the Society's Bloomsbury Square premises. After a discussion in committee, the report was adopted.

Benevolent Fund.

The report of the Benevolent Fund Committee recommended a further grant to two widows, amounting in each instance to 26*l.*, and intimated that grants of 5*l.*, 20*l.*, and 10*l.* had been made in respect of three applications. The Committee agreed that an appeal should be made to ladies interested in the success of the Benevolent Fund stall in connection with the Chemists' Exhibition in June, who are more or less scattered throughout the country.

Miss Buchanan, in proposing that the report be adopted, intimated that the following special contributions in aid of the Fund had been received : W. Elmitt. Derby, 10*s.*; W. H. Osborne, Ledbury (weighing-machine) 10*s.* 6*d.*; Staffordshire Pharmacists' Association (per Mr. E. M. Mellor), 5*l.* 5*s.*; Liverpool School of Pharmacy (whist-drive). 2*l.* 10*s.*; Bath and West of England College of Pharmacy, 2*l.*; Peterborough and District Chemists' Association (per Mr. J. W. Bodger), 1*l.* 1*s.* 6*d.*; Reigate, Redhill and District Pharmacists' Association (per Mr. H. Hocken), 2*l.* 2*s.*; West Ham and District Pharmacists' Association (per Mr. L. A Jones), 1*l.* 15*s.* 9*d.* Miss Buchanan added that, since the report of the Committee was drafted, additional special contributions had been received including one from Cardiff amounting to 23*l.* 1*s.* At the meeting of the Committee held the previous day it had been suggested that a proposal should be

brought to the notice of the chemists of the country to increase the Fund by a definite sum of 4,000*l.*, in view of the fact that the increases in the amounts paid as annuities mean an additional outlay of 200*l.* per annum. Miss Buchanan pointed out that the amount now paid in annuities exceeds by the sum mentioned the total income derived from investments made for these. She suggested that the increased annuities should, as far as possible, be paid out of moneys received in the ordinary course.

Mr. White suggested that each generation ought to provide for its own troubles. What, he asked, was to be done with the money already saved, unless to meet increases such as those referred to by Miss Buchanan?

The Treasurer pointed out that only about one-half the current outlay in connection with the Fund is being met by income from investments, and urged that the other half should be met by generous donations by the present generation.

The President explained that a report dealing with the whole of the Fund's affairs would be submitted to the Council in the course of the present month. Miss Buchanan's statement would afford them an opportunity to think the matter over in the interval.

The report was adopted.

War Auxiliary Benevolent Fund.

The report of this Committee intimated that several applications for relief or grants had been made. In two cases the Committee held over a decision pending further consideration, and in one no grant was recommended.

Certain questions relating to the future administration of the Fund were discussed in private. Ultimately the report of the Committee was adopted.

Library Committee.

The report of the Library Committee stated, with respect to recognition of schools, that Mr. E. Saville Peck had reported upon the various schools which had applied for recognition for Part I. of the Qualifying examination, and that, acting on these reports, the Committee made the following recommendations :

That the Bridlington Grammar School be approved for chemistry and physics only; that the Burnley Municipal College be approved for Part I. as from September 1, 1920; that the Cambridge County School be approved for Part I.; that the Sheffield Central Commercial College be approved for chemistry and physics only; that recognition of the botany course at the Darlington Technical College be not granted until a teacher holding a university degree has been appointed.

The Committee had under consideration suggestions for regulating the practical training of pharmaceutical students in hospitals, and considered observations from the Public Pharmacists' Association and from Mr. F. A. Hocking on the subject. They recommended :

That the Council should only approve of a maximum of 2,000 hours out of the 4,000 required by the Regulation being passed in a hospital or similar institution, and that all applications for recognition of a portion of the 4,000 hours in a hospital or similar institution should be considered on their merits.

A communication was read from the Aberdeen Pharmaceutical Association, calling attention to the conditions of the Petrie Trust Bursary competition, and asking whether the terms could not be so modified as to permit a student who desires to compete to be regarded as eligible, although he may have attended evening classes in some of the subjects of the Qualifying examination. The Committee recommended that attendance at evening classes for the subjects of Part I. of the Qualifying examination be not regarded as disqualifying a competitor for the Bursary. The Committee had before them a copy of the Regulations governing the issue of the first-class Army certificate, from which it appeared that no person could obtain that certificate without having passed the four compulsory subjects of the Society's regulations. They therefore recommended that the first-class Army certificate of education be accepted in connection with registration as a pharmaceutical student, provided that, in addition to the four compulsory subjects, the holder of the certificate had taken two optional subjects.

The secretary submitted a specification of dilapidations to be made good to the outside of the premises of the Society, and read a communication, suggesting that tenders should be invited from the firms mentioned by the surveyor in separate divisions. The secretary was requested to instruct the surveyor accordingly.

Several donations to the Library in London were reported.

Certain portions of the report of the Committee were discussed by the Council in private. The report was then adopted.

Dangerous Drugs Act.

The Special Committee appointed by the Council submitted the following report :

The Dangerous Drugs Act Committee met on March 22 and 23 to take evidence. At the request of the Home Office an attempt was made to have one statement of the case on behalf of those interested in pharmacy in Great Britain.

A meeting of the representatives of the following bodies was held on March 18: The Pharmaceutical Society of Great Britain, the Retail Pharmacists' Union, the Scottish Pharmaceutical Federation, the Parliamentary Committee of the Co-operative Congress, the Company Chemists' Association, the National Chamber of Trade. With the exception of the Scottish Pharmaceutical Federation the bodies represented agreed that Mr. J. Rutherford Hill should put forward an agreed case. Mr. McNab, in the absence of instructions, was unable to commit the Scottish Pharmaceutical Federation.

At the hearing on March 22, evidence on behalf of the British Medical Association was first taken, and Mr. Hill presented a case on behalf of: The Pharmaceutical Society of Great Britain, the Retail Pharmacists' Union, the Parliamentary Committee of the Co-operative Congress, the Company Chemists' Association, the National Chamber of Trade. The President, secretary, and Mr. Hill attended on behalf of the Pharmaceutical Society. Mr. Jack was present representing the North British Branch; Messrs. Keall, Melhuish, and Mallinson represented the Retail Pharmacists' Union. Mr. J. E. Connor (President of the Pharmaceutical Society of Ireland) and representatives of other Irish societies were present. The National Chamber of Trade and the Parliamentary Committee of the Co-operative Congress were also represented. Messrs. McNab, Coates, and Murray attended as representing the Scottish Pharmaceutical Federation.

Mr. Hill gave evidence on behalf of the Pharmaceutical Society, supplemented by a short statement by the secretary. Mr. McNab informed the Committee, on behalf of the Scottish Pharmaceutical Federation, that they were satisfied with the evidence given by Mr. Hill, and did not tender evidence on their own behalf. Mr. W. C. Meeke, the solicitor to the Pharmaceutical Society of Ireland, presented the Irish case. This in no way differed from the case presented on behalf of Great Britain, except that the special difficulties of the druggists in Ireland caused by their being unable to dispense prescriptions were emphasised. Dr. Burgess and Mr. H. C. Richards, of the Association of Certified Dispensers, gave evidence on behalf of apothecaries' assistants. Representatives of the Drug Club also gave evidence from the wholesale point of view.

On March 23 the secretary submitted the statement by the Society on the Regulations as affecting public institutions, in which statement the representatives of the Pharmacy Unit of the Hospital Officers' Association concurred, and they did not give evidence. Mr. Jenkin submitted a statement on behalf of the Public Pharmacists' Association, as did Miss Gilliatt on behalf of the National Association of Women Pharmacists (London Group), and of the pharmacists engaged under the Metropolitan Asylums Board. Both Mr. Jenkin and Miss Gilliatt dissented from the Society's suggestion to permit the institution to allow either a medical officer or a sister in charge of a ward to issue orders for replenishing the ward stock, their contention being that no order should be accepted except from a doctor or pharmacist. The Society's statement in connection with public institutions was published in the "Journal" on April 2.

The Committee requested that the British Medical Association and the Pharmaceutical Society together should submit an agreed list of preparations affected by the Regulations which could not be used for purposes of doping. Such a list has been prepared and submitted to the Committee.

The report was received without comment.

This was all the public business.

Financial Statements.

General Fund Account.

Expenditure (two years compared).

	1919 £ s. d.	1920 £ s. d.
Carriage of Books and Parcels ..	0 17 1	2 2 3
Certificates of Death	26 13 6	21 6 0
Examinations: Minor and Major—		
Fees to Examiners and Travelling Expenses—		
England and Wales ..	884 16 8	3,712 17 8
Scotland..	321 10 9	1,283 1 6
Refreshments—England and Wales	85 14 7	303 16 1
Scotland..	28 2 11	82 17 4
Apparatus, Drugs, Chemicals, Printing, and sundry charges —England and Wales ..	660 0 9	2,465 13 5
Scotland..	93 14 0	355 16 4
[*Totals*: 1919, £2,073 19*s.* 8*d.*; 1920, £8,209 2*s.* 4*d.*]		
Gas, Electric Light, Water, Coal, Cleaning, Materials, etc.	506 12 0	629 9 0
House Servants—Wages	540 9 0	835 6 9
"Pharmaceutical Journal"	3,291 6 3	8,104 9 9
Library:		
Acting Librarian's Salary ..	0 0 0	145 0 0
Assistant-Librarian's Salary ..	80 0 0	0 0 0
Purchase and Binding of Books, etc.	38 2 4	102 7 1
[*Totals*: 1919, £118 2*s.* 4*d.*; 1920, £247 7*s.* 1*d.*]		
Law costs	476 1 8	1,046 14 0
Museum:		
Curator's Salary	250 0 0	291 13 4
Assistant's Wages and Sundry Expenses for Bottles, etc. ..	124 11 7	211 13 11
[*Totals*: 1919, £374 11*s.* 7*d.*; 1920, £503 7*s.* 3*d.*]		
North British Branch:		
Resident Secretary in Scotland and Clerks—Salaries	732 14 0	920 13 9
Taxes and Insurance	118 16 3	136 5 7
Members of Executive—Travelling Expenses, etc.	250 5 0	175 6 11
Fuel, Light, Water, Cleaning, Service, and Miscellaneous Expenses	576 12 9	704 10 5
[*Totals*: 1919, £1,678 8*s.*; 1920, £1,936 16*s.* 8*d.*]		
Pension	400 0 0	400 0 0
Postage:—General	389 13 10	382 10 9
"Journal"	1,407 13 1	2,178 3 11
[*Totals*: 1919, £1,797 6*s.* 11*d.*; 1920, £2,560 14*s.* 8*d.*]		
Register of Chemists and Druggists	175 3 7	176 17 1
Rent, Taxes and Insurance	905 17 4	1,368 15 11
Premium on Leasehold Redemption Policies	128 2 6	128 2 6
Repairs, Alterations, Electric Service and Fittings	510 19 4	352 15 2
Salaries:—Secretary and Registrar	600 0 0	900 0 0
Clerks	3,220 19 4	3,981 14 6
[*Totals*: 1919, £3,820 19*s.* 4*d.*; 1920, £4,881 14*s.* 6*d.*]		
Bonuses under cost of living scheme ..	0 0 0	326 4 1
School of Pharmacy and Research Laboratory:		
Stipend of Professor	700 0 0	800 0 0
Lecturer, Assistant Lecturer, Demonstrators, and Wages of Porters	1,758 10 2	2,876 0 8
Apparatus, Chemicals, Specimens for Lecture Classes, Prize Medals, Certificates, Printing and Posting Prospectuses	1,210 5 3	1,500 10 6
[*Totals*: 1919, £3,668 15*s.* 5*d.*; 1920, £5,176 11*s.* 2*d.*]		
Bacteriological Classes	9 10 1	0 0 0
Stationery, Printing, and Office Expenses..	1,482 13 8	1,227 0 11
Calendar of the Society	59 6 6	0 0 0
Sundries	16 0 0	19 1 6
Cost of conducting Prize and Scholarships Examinations	33 0 0	49 13 1
Medals and Certificates—Council and Herbarium Competitions	7 4 3	10 9 9
Board of Scientific Societies ..	10 10 0	10 10 0
British Federation of Medical and Allied Societies	15 15 0	0 0 0
Travelling Expenses and Refreshments for Council, Officers, etc.	1,189 12 6	1,314 12 8
Local Associations and Parliamentary Expenses: Meetings, etc.	468 4 10	43 14 5
Telephone Service	28 6 4	29 2 2
Fees to Chartered Accountant ..	84 0 0	94 10 0
Staff Provident Fund	251 12 4	287 8 0
Pharmaceutical Press Publications ..	21 14 6	0 0 0
Furniture	28 7 8	0 0 0
Inspection of Schools of Pharmacy ..	289 11 11	480 1 9
Rooms for Meetings	32 12 1	0 0 0
Preparatory Course for Ex-Service Students	0 0 0	520 1 0
"Chemists' Annual"	0 0 0	11 19 6
Balance added to Accumulated Funds	3,901 5 7	9,020 5 0
	£29,053 12 9	£50,026 5 11

Income (two years compared).

	£ s. d.	£ s. d.
By Examination-fees:		
Minor	6,171 3 0	24,537 0 6
Major	49 7 0	123 18 0
Registration-fee as Chemist and Druggist	0 0 0	14 14 0
2,033 Registration-fees as Students (3,712 in '19)	7,795 4 0	4,269 6 0
Fees for Restoration to Register	23 2 0	17 17 0
Certificates of Qualification ..	24 0 0	21 3 0
Registration-fees as Chemists and Druggists	12 12 0	438 18 0
[*Totals*: 1919, £14,075 8*s.*; 1920, £29,422 16*s.* 6*d.*]		
Interest on Investments:		
Dividend on Port of London Authority Stock	58 3 8	58 3 8
Dividend on Water Board Stock	39 9 10	39 9 10
On Deposit at Banker's	9 3 2	162 16 9
Dividend on War Stock ..	173 18 2	173 18 2
Victory Bonds	0 0 0	38 5 10
Treasury Bonds	0 0 0	92 7 1
	280 14 10	565 1 4
Less Interest on Loans	85 5 8	0 0 0
Less Income-tax	0 0 0	118 0 11
	195 9 2	447 0 5
Ground Rents	385 0 0	385 0 0
Net Rent of 15 Bloomsbury Square	130 8 0	135 16 0
[*Totals*: 1919, £710 17*s.* 2*d.*; 1920, £967 16*s.* 5*d.*]		
School-fees	2,343 12 0	6,071 17 0
Grant from the Board of Education	587 8 0	0 0 0
Subscriptions:—		
Members	9,058 7 0	10,033 16 0
Student Associates	1,139 15 6	1,777 2 6
Life Subscriptions	871 10 0	1,638 0 0
[*Totals*: 1919, £11,069 12*s.* 6*d.*; 1920, £13,443 18*s.* 6*d.*]		
British Pharmaceutical Codex ..	57 12 6	0 17 4
Pharmaceutical Pocket Book ..	45 2 7	102 1 0
Bacteriological Classes	0 0 0	5 8 10
Pharmaceutical Press Publications ..	0 0 0	6 10 4
Legacy	24 0 0	0 0 0
	£29,053 12 9	£50,026 5 11

The balance-sheet of the General Fund and the accounts of the Benevolent Fund, War Auxiliary Benevolent Fund, Orphan Fund, Scholarships Fund, and Waterall Legacy are given, and, in addition, the financial statement of the Local Associations Executive. From the last-named it appears that the expenses of the Executive were 2,297*l.* 16*s.* 3*d.*, and those of the Checking Bureau 3,603*l.* 3*s.* 2*d.*, making a total of 5,900*l.* 19*s.* 5*d.*; levies on Pharmaceutical Committees amounted to 4,630*l.* 16*s.*, and sundry receipts to 28*l.* 15*s.* 3*d.*, leaving an excess of expenditure over income of 1,241*l.* 8*s.* 2*d.*

Italian Olive Oil Crop.—The quantity of olive oil produced during the season now closed is said to be below the 1,500,000 quintals (150,000 tons) pressed before the war. Its quality is, however, excellent in many centres. The Italian Government, which first consented to the exportation of olive oil from province to province, also arranged the exportation to foreign countries of a limited quantity. The official prices of olive oil during March remained at lire 1,100 for first quality, lire 900 for second quality, and lire 700 for third quality. To the retail sellers such prices were increased as usual, bringing the first quality towards lire 1,500 to lire 1,600 per 100 kilos.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Report on the March Analytical Exercise.

The powder distributed to students on March 8 contained eight parts by weight of sodium oxalate, one part of sodium arsenate, and one part of sodium phosphate. The calculated composition of such a mixture is :

Na	30.3
C_2O_4	52.5
AsO_4	4.5
PO_4	2.6
H	0.1
H_2O	10.0
	100.0

The powder also contained, as impurities (accompanying the sodium oxalate), calcium and magnesium in small proportion and a trace of potassium. Samples of the powder were sent out to seventy-two students, and thirty-two reports were returned for examination. The sodium was detected by the writers of all these reports. The failures in the detection of the acidic radicals were : Oxalic, 6 ; arsenic, 15 ; phosphoric, 22 ; but three students who failed to recognise that arsenic was present in the form of an arsenate reported the presence of the element without remarking as to its form of combination. The calcium and magnesium were detected by three and by five students respectively. In twenty reports no mention was made of the evolution of water when the powder was heated in a dry test-tube.

Successful analysis of this powder, as regards its main constituents, has only been effected by a single correspondent, and the average marks attained show a material falling off this month. Its satisfactory handling necessitated close observation and demanded a somewhat more mature experience than any of its immediate predecessors in the tournament series. Important information was obtainable, and was gained by numerous students, from a carefully carried out preliminary examination. Thereafter the first point requiring careful treatment arose through the small quantity of calcium and magnesium preventing the powder from dissolving completely in water. Whether the portion insoluble in water (consisting of calcium and magnesium oxalates) was filtered off at the outset and separately examined, or whether it was dissolved in hydrochloric acid and the solution was so treated in the usual routine examination for metallic radicals that the calcium and magnesium reappeared as precipitated phosphates on the addition of ammonium chloride and excess of ammonium hydroxide as iron-group reagents, the small quantity of the material to work upon made its examination a matter of considerable delicacy. On too slender evidence, the precipitate of phosphates just referred to was commonly reported to contain aluminium.

The presence of an arsenate and a phosphate, side by side, neither being in large proportion, introduced a complexity which again demanded close attention. When the arsenate had been completely reduced in hydrochloric-acid solution, by means of sulphurous acid or sodium thiosulphate, and the arsenic had been precipitated as arsenious sulphide by hydrogen sulphide, the filtrate, after suitable preparation (*i.e.*, having been freed from hydrochloric acid as far as possible and mixed with nitric acid), still gave with ammonium molybdate a distinct precipitate which indicated that it contained a phosphate. Some students who had found the arsenate, neglected to apply this further test and so missed the phosphate, while others reported the test as failing to give a positive result. The latter failures may have been due to the presence of too much hydrochloric acid or to an inappropriate solution of ammonium molybdate having been employed—points of real importance which were referred to in this column last month. Judging from the statements in certain reports, the impression is evidently common that phosphate and arsenate can be distinguished satisfactorily by the difference in their behaviour with solution of ammonium molybdate on gently heating and on boiling respectively. This difference is not sufficient, however, to give more than a rough indication, and must not be relied upon as furnishing grounds for a decisive conclusion. When phosphate and arsenate are both present, it is clear that the presence or absence of the former cannot be definitely proved by the indications with ammonium molybdate until the arsenate has been entirely eliminated.

Those students who reported a chloride as a main constituent should examine the behaviour of dilute nitric acid towards silver oxalate, and should observe that a considerable concentration of this acid must be present to dissolve the precipitate when formed, or must be established beforehand to prevent its formation. The precipitates taken for silver chloride consisted mainly or entirely of silver oxalate.

The reported presence of a phosphite or a hypophosphite, which was not uncommon, seems to have been chiefly based upon the odour (due to arsenic) which was observable when the powder was heated, and upon the fact that a combustible gas (carbon monoxide, mistaken for phosphine) was given off at the same time.

Prizes.

The first prize for the best analysis has been awarded to :

T. C. Egan, 60 Sandringham Road, West Hartlepool.

The second prize has been awarded to :

Sallie S. England, 8 Wood Street, Slaithwaite, near Huddersfield.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

Marks Awarded for Analyses.

1. *Correspondents who are unqualified :*

T. C. Egan (1st prize)	95	Rossendale	69
S. S. England (2nd prize)	79	Alpha	67
Floramye	77	Protophloem	66
Acutus	74	Protoxylem	66
Caglio	74	X. Y. Z.	65
Brogni	72	Omar	64
Cishar	72	Scopolamine	64
Essayeur	72	Digitoxin	61
Lucasite	71	Nomen	48
Meta	71	Ding-Dong	47
Neon	71	Vicia	47
Xenon	71	Thyroid	45
Guillaume	70	Delta	44
Kainite	70	Eyelashes	32
K. T.	70	Novice	19
		Cogry	17

2. *Correspondent who is qualified :*

Silicula ... 82

To Correspondents.

Floramye.—The odour noticeable when the powder was heated in a dry tube was due to arsenic, produced by the reduction of the arsenate in presence of the decomposing oxalate. The phosphate did not share in this reduction. You should have endeavoured to ascertain the form of combination in which arsenic was present. Tin and strontium were absent.

Acutus.—We found little darkening occur when the powder was heated for a considerable time with concentrated sulphuric acid, the liquid only assuming a pale brown colour. Note that few ordinary chemicals are so completely free from traces of extraneous organic matter

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that there is not perceptible darkening, due to the latter, when they are heated with concentrated sulphuric acid. Marsh's test, properly applied, should have revealed to you the presence of arsenic in some form of combination.

Caglio.—See the concluding sentence in the reply immediately preceding. If (as would appear from your report) you introduced the re-precipitated arsenious sulphide into the Marsh apparatus, that inappropriate procedure would probably account for your negative result.

Brogni.—In testing for a nitrate in a prepared solution you state that you boiled the latter with ferrous sulphate and concentrated sulphuric acid. Such a mode of applying the test is, however, quite inadmissible.

Essayeur.—On repeating both the tests for a trace of a nitrate which you applied, no confirmation of its presence could be obtained.

Lucasite.—You describe the powder as insoluble in water, although water dissolved quite nine-tenths of it when used in sufficient quantity and boiled with it.

Meta.—Your report is drawn up in a quite clear and satisfactory form. Your only serious failure in the analysis is the missing of the phosphate, regarding which constituent see the general remarks above.

Neon.—The precipitates which you supposed to consist of silver chloride really consisted of silver oxalate, and they would have dissolved completely in (or their formation would have been entirely prevented by) sufficiently concentrated nitric acid. See the general remarks.

Alpha.—The precipitate produced by calcium chloride and attributed to the presence of a phosphite consisted mainly of calcium oxalate. You omitted to give a summary of the constituents detected.

Scopolamine and Digitoxin.—When silver nitrate was added in excess to the original aqueous solution of the powder or to the neutralised sodium-carbonate extract, a brownish precipitate was produced which consisted of silver oxalate, phosphate, and arsenate. The brown colour was due to the latter.

Nomen.—The blue colour with cobalt nitrate which you attributed to aluminium was due to the phosphate, and the reactions which you supposed to indicate a phosphite were due to the oxalate.

Ding-Dong.—Were it not that you report sodium and the oxalic-acid radical, we should have difficulty in recognising that your analysis referred to the powder we sent out. For example, the green borax bead, which you attributed to chromium, and the zinc-group precipitate, which presumably was black, as you concluded that it contained nickel, are not explicable as due to any constituent of the powder.

Vicia.—It seems from your report that you had in your hands a precipitate of arsenious sulphide mixed with sulphur, but unfortunately you assumed, without applying any test, that it consisted of sulphur only, and you discarded it, unexamined.

Thyroid.—On heating the powder with hydrochloric acid you got a pungent-smelling gas which rendered silver nitrate milky. No doubt some of the added hydrochloric acid was volatilised with the water vapour and produced silver chloride. This is a test which may mislead, and in any case of doubt, dilute sulphuric acid should be used instead of hydrochloric acid.

Delta.—Your observation of the effect of heating the powder with concentrated sulphuric acid must have been of an exceedingly casual and superficial character, since you report "no action." In our experiments, and in those of many correspondents, a brisk and prolonged evolution of gas bubbles (carbon monoxide and dioxide) took place and was a conspicuous feature of the test.

Eyelashes.—The unexplained "tawny" precipitate obtained in the zinc group must have been due to some impurity introduced in reagents, or otherwise, in the course of the analysis, since the original solution gave no such precipitate. Your preliminary examination of the powder was very insufficient, and you omitted a summary of the constituents detected.

Novice and Cogry.—Study the foregoing general remarks and the replies to other correspondents, and, if opportunity offers, prepare a similar mixture and practise upon it.

Silicula.—Careful study of your report seems to show clearly enough that you had obtained only a slight indication, but, under the circumstances, sufficiently definite proof that a phosphate in small proportion was indeed present. We think you should have reported phosphate present, since, before testing for it with ammonium molybdate, you had evidently separated the arsenate completely.

The Tournament.

The result of the preceding exercise has materially altered the relative positions of those students whose aggregates are near the top of the list, but the situation is again one of no small interest and uncertainty. One or two of those who had promising enough positions have retired from the competition—rather a faint-hearted retreat under any conditions, but particularly so when the figures were close and the possibilities were not capable of being gauged with anything approximating to certainty. The first ten remaining on the list are still remarkably close together, as the following figures show :

Silicula	440	Rossendale	418
Floramye	428	Acutus	415
K. T.	428	Caglio	415
Xenon	424	Protoxylem	415
Neon	418	Protophloem	414

Qualitative Analysis.

A mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, April 12, on which day the samples will be posted. Students' reports will be received up to Saturday, April 23. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the final exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Business Changes.

Mr. H. Chadwick, chemist and druggist, has acquired the business of Mr. J. Brindle, chemist and druggist, 508 Blackburn Road, Bolton.

Mr. A. J. Barnett has resigned his position as a director of Robt. O. Wiener & Co., Ltd., as from March 25, and has commenced business on his own account at 88 Bishopsgate London, E.C. 2, trading as A. J. Barnett & Co. in chemicals, oils, and produce.

John Bell & Croyden, Ltd., wholesale and retail chemists, 50 Wigmore Street, London, W. 1, have acquired the business of Langham Brothers, Ltd., manufacturing chemists and perfumers, Perivale, W. 13. Two of the directors of Messrs. Langham Brothers, Mr. C. A. P. Langham (managing director) and Mr. W. L. Langham, have joined the directorate of John Bell & Croyden, Ltd.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Terms for the Year 1921.

As we go to press we learn from the secretary of the Retail Pharmacists' Union that the Ministry of Health has intimated that it agrees to increased remuneration from April 1. The Treasury, in giving its consent to these terms, which are substantially those submitted on behalf of the chemists, has attached the following proviso :

"It should, however, be clearly understood that this decision has been arrived at in the light of conditions prevailing during the last twelve months, and, in the event of the present fall in the cost of living being continued, it will be necessary to review it at an early date."

Reports from Local Centres.

ENGLAND.

London.—The monthly meeting of the Insurance Committee was held on March 31, Mr. Harris (chairman) presiding. The Finance Sub-Committee recommended the payment of accounts amounting to 58,430*l.* 17*s.* Of this amount 18.610*l.* 4*s.* 10*d.* was to chemists for the medical year 1920-21. The accounts were passed. The Medical Benefit Sub-Committee reported that on February 28 727 persons were supplying drugs and appliances; of these, 663 were chemists in general business and 40 in institutions. The names of six persons had been included in the list, while the names of four had been deleted. The Hours of Service (Pharmacists) Sub-Committee reported that they had elected Mr. H. E. A. Cotton and Mr H. Swann, respectively, as chairman and deputy-chairman for the ensuing year. The Sub-Committee also reported that they had considered a letter from the Ministry of Health with regard to alleged difficulties experienced by insured persons in certain districts in securing the dispensing of prescriptions after closing hours. They dealt with two areas, and in the third case they are in communication with the Panel Committee on the matter. Regarding Bermondsey, it appeared that the question came before the Panel Committee in connection with excessive prescribing, and after investigation the Committee do not consider that any necessity arises for special arrangements to be made. In the Battersea area a practitioner complained that unless a prescription is received by a chemist before 7 P.M. there is little prospect of it being dispensed on that evening. A previous rota was found to be superfluous, and the Committee reported that, having regard to this fact they do not think it necessary for any further action to be taken. As to the Wandsworth area, the Pharmaceutical Committee are of opinion, in which the Hours of Service Sub-Committee concur, that the dispensing service is both efficient and adequate. In the case of Deptford, which had also been investigated by the Pharmaceutical Committee, there is no evidence of complaints by insured persons, and no action will be taken with regard to the formation of a rota. The report of the Committee was adopted. The Pharmaceutical Service Sub-Committee recommended that the resolution of June 1916, relating to the analysis of medicine, be rescinded. The recommendation was adopted. The Sub-Committee also recommended that arrangements be made with a competent analyst for the analysis of medicines, and that an expenditure not exceeding twenty-five guineas per annum be authorised in connection therewith. The recommendation was adopted. The Sub-Committee also reported that a complaint was made by an insured person that she was unable to obtain medicine from certain chemists. The managing director of the company stated that the patient called after business hours, and as the prescription was not marked "Urgent," and complainant had not brought a bottle, the patient was told the medicine would be ready when the shop opened at 11 A.M. next morning. As the prescription presented was not marked "Urgent," the Committee reported that there was no obligation on the part of the chemists to dispense the prescription.

Middlesex.—The bi-monthly meeting of the Insurance Committee was held on April 4, Mr. W. W. Kelland (chairman) presiding. The Finance and General Purposes Committee recommended payment of accounts amounting to 64,190*l.* 2*s.* 9*d.* Among these were the following: To chemists for the medical year 1919-20, 3,738*l.*; for the supply of drugs in emergency, 1*l.* 11*s.*; to Joint Pricing Committee, part contribution on account of expenses, 1921, 450*l.*; to chemists for the medical year 1920-21, 4,010*l.* 5*s.* 9*d.*; to doctors on account of drugs, 272*l.* 18*s.*; to Joint Pricing Committee, second contribution, 450*l.* The recommendations of the Committee were adopted. The Committee directed that sums amounting to 1*l.* 16*s.* 2*d.* paid to chemists be debited to the Drug Fund and refunded to the insured persons by whom they were paid. It was reported that the total number of chemists on the panel on March 17 was 270. Two chemists had resigned from the panel and seven had been added.

Sheffield. A meeting of the Joint Services Sub-Committee was held recently to reconsider the report of November, which censured a practitioner who had given prescriptions for dressings without stating the quantity, and resulting in the chemist supplying these in what was thought an excessive quantity. The Insurance Committee had referred the matter back, so that the chemist should be censured along with the doctor. It was decided to reaffirm their report and recommendations of the previous meeting, the Committee's opinion being that they ought not to go beyond the former recommendations, as a pharmacist should not be considered to have acted irregularly by filling in occasional omissions by the doctor.

Southport.—At a meeting of the Insurance Committee held on March 29, the recommendation of the Medical Benefit Sub-Committee that two local doctors should be surcharged with 50 per cent. of the amount per prescription by which their average cost exceeded the average for the area was, after a discussion, approved.

SCOTLAND.

March Drug Tariff.

The following are the alterations in the Drug Tariff for Scotland as issued by the Scottisn Board of Health :

Acetanilidum, 6*d.* oz.; acid. acetic. glac., 1½*d.* oz.; acid. acetylsal., 5½*d.* oz.; acid. benzoic., 6½*d.* oz.; acid. carbol. liq., 2*d.* oz.; acid. gallic., 1*s.* 2*d.* oz.; acid. tannic., 10½*d.* oz.; ammon. carb., 2½*d.* oz.; argent. nit., 10*d.* dr.; argent. nit. indur., 10½*d.* dr.; argent. nit. mitig., 9½*d.* dr.; argent. proteinat., 5*d.* dr.; bals. Peru, 2*s.* 5½*d.* oz.; bismuth. carb., 1*s.* 4*d.* oz.; bismuth. oxid., 2*s.* 5½*d.* oz.; bismuth. sal., 2*s.* 1½*d.* oz.; bismuth. subgal., 2*s.* 3*d.* oz.; bismuth. subnit., 1*s.* 3*d.* oz.; butyl. chloral hyd., 3*s.* 3½*d.* oz.; caffeina, 4*s.* 11*d.* oz.; caffein. cit., 3*s.* 3½*d.* oz.; calcii lact., 8*d.* oz.; camphora, 8½*d.* oz.; cocain. hyd., 5*s.* 7½*d.* dr.; collodium aceton., 8*d.* oz.; creosoti carb., 3*s.* 3½*d.* oz.; digitalinum (amorph.), 1*s.* 9*d.* gr.; emp. saponis, 7*d.* sq. ft.; emul. olei morrh. c. hypo. (B.P.C.), 3½*d.* oz.; ergotin (B.P., 1898), 14*s.* 8½*d.* oz.; ext. cinchon. liq., 9½*d.* oz.; ext. ergot., 1*s.* 11*d.* dr.; ext. ergot. liq., 1*s.* 10*d.* oz.; ext. filic. liq., 2*s.* 11*d.* oz.; ext. nucis vom. sic., 2*s.* oz.; ferri et amm. cit., 6*d.* oz.; gentian. rad. 1½*d.* oz.; guaiacol. carb., 3*s.* 0½*d.* oz.; homatropin. hydrobrom., 9½*d.* gr.; hyd. perchlor., 7½*d.* oz.; hyd. subchlorid., 8*d.* oz.; iodum, 2*s.* 5½*d.* oz.; lin. camph., 3½*d.* oz.; lin. camph. amm. meth., 3½*d.* oz.; lin. chlorof. 9*d.* oz.; lin. hydrarg., 7*d.* oz.; lin. tereb. acet., 3½*d.* oz.; liq. ammon. acet. conc., 1 to 7, 2*d.* oz.; liq. formaldehyd., 2½*d.* oz.; liq. strych. hyd., 5*d.* oz.; mel. boracis, 2½*d.* oz.; menthol., 4*s.* oz.; methylsulphonal, 4*s.* 2½*d.* oz.; ol. anisi., 5*d.* oz.; ol. caryoph., 1*s.* 9*d.* oz.; ol. menth. pip., 6*s.* 4½*d.* oz.; ol. morrhuæ, 2*s.* 2*d.* imp. pint; ol. olivæ, 2½*d.* oz.; ol. ricini, 1*d.* oz.; ol. santal., 6*s.* 6½*d.* oz.; ol. tereb., 1*d.* oz.; opium pulv., 3*s.* 3½*d.* oz.; phenacetin., 1*s.* 9*d.* oz.; phenazon., 1*s.* 9*d.* oz.; phenolphthalein., 1*s.* 3½*d.* oz.; pil. hydrarg. (4 gr.), 7*d.* oz.; podoph. resin., 6*s.* 4*d.* oz.; pot. sulphurat., 4*d.* oz.; pot. acet., 6*d.* oz.; pot. bicarb., 2*d.* oz.; pot. cit., 6½*d.* oz.; pot. iodid., 2*s.* 3*d.* oz.; pot. permang., 4½*d.* oz.; pot. tart. acid., 2½*d.* oz.; resorcin., 1*s.* 10½*d.* oz.; scammon. res. pulv., 1*s.* 6½*d.* oz.; sod. cacodyl., 4*s.* 11*d.* oz.; sod. et pot. tart., 2*d.* oz.; sp. chlorof., 7*d.* oz.; sp. junip., 10½*d.* oz.; sulphonal, 3*s.* 6*d.* oz.; terebene, 5½*d.* oz.; theobromin. et sod. salicyl., 2*s.* 11*d.* oz.; thymol, 5*s.* 7½*d.* oz.; tinct. aurant., 1*s.* 9*d.* oz.; ung. bellad., 1*s.* 6½*d.* oz.; ung. hyd. co., 6*d.* oz.; zinc. valer., 3*s.* 9*d.* oz.

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Trade Report.

42 Cannon Street, E.C. 4, April 7.

The slight improvement in general business which had manifested itself lately has been quite dispelled this week by the coal crisis, the result of which cannot be foreseen. Naturally the tendency is to buy nothing until the outlook is clearer, so that prices remain more or less stationary. If there is no improvement in industrial matters, it is possible that the drug-auction due for next week will again be postponed. The appreciation in the Italian exchange to the extent of about 10 per cent. has led to an advance in a few products from that source, including citric acid, orris, juniper berries, etc. More inquiries have been received from the Continent of late, and there is more inclination to do business. Among the changes of the week is a sudden advance in ergot, due to the cessation of "bear" American offers. Senega has been sold at lower prices, and more interest has been shown in cascara sagrada. Balsams are weak, particularly copaiba and tolu. Cod-liver oil is unchanged, with a continued good yield. Gentian on spot is comparatively scarce, as new imports yield no profit. Japanese insect flowers are easier, but Dalmatian are maintained owing to scarcity. Menthol is steady, and olive oil is cheaper. Opium meets with a retail sale at easy prices. Jamaica ginger has sharply advanced. Linseed, linseed oil, and turpentine are lower. Canary seed is steady; cumin is firmer; caraway and hemp being cheaper. Shellac is lower.

Higher	Firmer	Easier	Lower
Amidol	Albumen	Acetanilide	Aniline oil and salts
Aspirin	Amidopyrin	Acetic acid	Barytes
Citric acid	Calcium lactate	Agar-agar	Benzol
Epsom salt	Cassia oil (e.i.f.)	Alum	Betanaphthol
Ergot	Chloral hydrate	Antipyrine	Camphor (Jp. ref.)
Ginger (Jamaica)	Coumarin	Barbitone	Caraway oil
Salicylic acid	Cumin-seed	Bay oil	Caraway seed
Sulphonal	Juniper-berries	Camphor oil (Ch.)	Codeine salts
	Lime oil (h.p.)	Cardamom oil	Cresylic acid
	Methyl sulphonal	Cinnamon-leaf oil (Seych.)	Eugenol
	Orris (Ital.)	Citronella oil	Geraniol
	Oxalic acid	Farina	Guaiacol carbonate
	Paraformaldehyde	Fennel oil, sweet	Hemp seed
	Potash caustic	Geranium oil	Juniper-berry oil
	Potash permang.	Glucose	Linseed
	Terpineol	Insect-flowers (Jp.)	Linseed oil
		Lemongrass oil	Naphtha (solvent)
		Mint oil (Jp.)	Naphthaline
		Petitgrain oil	Olive oil
		Pepper	Peppermint oil (Amer.)
		Phenolphthalein	Resin
		Potash bromide	Salicin
		Rosemary oil	Senega
		Safrol	Shellac
		Sodium nitrate	Sodium sulphite
		Sodium sulphide	Strychnine salts
		Toluol	Thyme oil (Sp.)
			Turpentine
			Wormseed oil
			Xylol

Cablegrams.

Bergen, April 6.—The total catch of cod for the whole of Norway since the opening of the season amounts to 24,900,000, against 21,200,000 for the corresponding date of 1920, and the yield of steam-refined medicinal oil is 41,475 hectolitres, against 32,131 hectolitres at the same period of last year. Finest new Lofoten oil is quoted at 105*s*. per barrel c.i.f. London.

New York, April 6.—Business is quiet. Bromides are lower. Potassium is now 29c. for granular and crystals; sodium is 27c., ammonium 34c., and strontium 34c. Menthol is lower at $4.15. Balsam tolu is cheaper at 35c. Hydroquinone has been reduced to $1.70 and vanillin to 60c. Antipyrine is dearer at $1.90 and saccharin has advanced to $2.00 per lb.

London Markets.

Antimony.—A revision of the price of English refined, which stands at 40*l*. to 42*l* per ton for small lots, seems to be expected. Foreign regulus here is becoming rather scarce and is held for 25*l*., while shipment from China is not offering so freely at about 24*l*. c.i.f. Quite a good demand is said to be experienced from Hamburg, both for refined and crude.

Balsams.—*Peru* is slightly harder, according to advices from New York, where $1.70 to $1.80 is quoted. London spot prices are from 8*s*. 9*d*. to 9*s*. *Copaiba* is weak at 2*s*. 7*d*. to 2*s*. 9*d*. per lb. for B.P. qualities on the spot, according to quantity. *Tolu* can be had at from 1*s*. 10*d*. to 2*s*. as to quantity. *Canada* balsam is easier in New York at $14.00 per American gallon.

Cadmium.—There is some talk of American supplies coming along from the large surplus production secured last year. This would ease the market, but meanwhile offers of Continental material are restricted and sellers ask 6*s*. 3*d*. per lb. The demand is quieter.

Camphor.—Refined is cheaper, Japanese 2½-lb. slabs offering at 3*s*. 10*d*. per lb., and May-June shipment at 3*s*. 5*d*. c.i.f. Chinese *crude* is 2*s*. 9*d*. on the spot, and 2*s*. 3*d*. c.i.f. for May-July shipment.

Cascara Sagrada has shown increased interest on the spot, with sales at 95*s*. per cwt.

Castor Oil.—Finest water-white Italian in barrels is offered at 78*s*. to 80*s*. per cwt., and for tins in cases 83*s*. is quoted for parcels on the way.

Chamomiles are slow of sale at from 130*s*. to 135*s*. per cwt. on the spot for fair, with brown offering down to 85*s*. to 90*s*. The bulk of the stock appears to be of medium quality only.

Cod-liver Oil is unchanged, London agents quoting from 95*s*. to 105*s*. per barrel c.i.f. for finest new medicinal oil. The Norwegian catch and yield of oil still continues good.

Ergot, which was recently selling on the spot at from 3*s* 3*d*. to 3*s*. 6*d*., has now suddenly advanced to 4*s*. 9*d*. to 5*s*. for good Spanish, owing to the withdrawal of the cheap American prices.

Farina is easier, Japanese No. 1 offering at 22*s*. 6*d*. per cwt. and for April-June shipment 19*s*. c.i.f. has been paid. Dutch on the spot is 20*s*. and March-May shipment 19*s*. c.i.f.

Galls.—Persian are dull of sale, good blue offering at about 95*s*. per cwt.

Gentian is comparatively scarce on the spot and nominally worth 50*s*. Imports of late have been small owing to the freights and landing charges being too high to permit of a remunerative business when the drug is landed.

Hydrastis is steady at 30*s*. per lb. on the spot.

Insect Flowers.—Japanese are slightly easier, offering at from 200*s*. to 230*s*. per cwt. Dalmatian on the spot are comparatively scarce at from 300*s*. to 320*s*. as to quality.

Juniper Berries are firmer, good Italian offering to arrive at 20*s*. per cwt. c.i.f.

Laurel Berries.—Italian offer at 32*s*. per cwt. c.i.f. and laurel leaves at 26*s*. to 27*s*.

Linseed Oil.—Quotations this week have dropped to somewhat below the extreme lowest of the depression about two months ago. The weakness is in no way surprising. Not only had there been some little expectation recently of the cheapening of the article due to the much greater quantities of seed coming into sight from the Argentine, but the chronic inertia involved by the coal upheaval has obviously hastened concessions for deliveries from stocks, although these are not very heavy. Fairly large quantities were lately again shipped to the Continent, especially Holland and France, but new export inquiries are distinctly lacking. London closes at 24*l*. per ton naked, and Hull at 23*l*. 5*s*.

Magnesium.—Business is difficult, and possible at 3*s*. 10*d*. per lb., the current supply being in excess of current needs.

Menthol.—Some distressed parcels have recently been cleared off the market; spot Kobayashi-Suzuki is steady at 23*s*. per lb. for sound.

Mercury.—The chief importers show no sign of making any concessions, in spite of the subdued demand, although arrivals have shown improvement. The supply is ample. and quotations stand at 12*l*. 10*s*. to 12*l*. 15*s*. per bottle. The demand in America is reported quiet, but stocks there are being quietly reduced.

Nux Vomica.—Considerable arrivals have taken place, and the strychnine makers now hold good stocks which have enabled them to reduce prices of the salts. The spot value of Calcutta is about 50*s*., up to 60*s*. being asked for Cochin. For April-May shipment Saigon seed is offered at 45*s*. c.i.f.

Olive Oil.—Finest French edible is cheaper at 11*s*. 6*d*. per gallon and pharmaceutical at 11*s*. on the spot.

Opium meets with a retail sale on the spot, the value of good druggists' being from 16*s*. to 17*s*. per lb. Due to the depreciation in exchange, prices at primary sources are cheaper, usual 10 per cent. offering at 12*s*. c.i.f. or even less.

Smyrna, March 12.—The sales during the past two weeks amount to 26 cases of extra selected Karahissar, and the last prices paid are equivalent to 10*s*. 6*d*. to 11*s*. per lb. c.i.f. The exchange per pound sterling for cheque is now piastres 578, and $0.67 for one Turkish pound of piastres 100. The arrivals amount to 1,275 cases against 1,506 at same date last year, and our stock in first- and second-hands is now 1,235 cases.

The "British Chamber of Commerce" for March intimates that owing to restrictions there was no demand at all over last month, with the result that prices at Constantinople have come down rapidly, following those of Smyrna, and druggists' opium can be had at under piastres 800 per oke. Taking exchange into account, the price of opium in sterling is to-day about half the highest touched since the Armistice, and if demand keeps as slack as at present, and interior opens up again, prices may go still lower.

Orris is firmer owing to the appreciation in the Italian exchange, good Florentine sorts offering at 54*s*. to 56*s*. per cwt. c.i.f., and Verona at 33*s*. c.i.f.

Senega is cheaper, with sales in several quarters by weak holders at 3*s*. 6*d*. per lb. on the spot, but 3*s*. 9*d*. appears to be lowest now.

Shellac remains quiet, the spot value of TN Orange being rather lower at from 265*s*. to 280*s*.; fine lemon is 370*s*.; fine second orange, 310*s*. to 320*s*.; RL 1, 320*s*.; and AC cakey, 285*s*. At auction, 157 packages sold without reserve, including fine Orange at a decline of 10*s*. per cwt. Fine second Orange, free to slightly matted, sold at 300*s*. to 310*s*., slightly matted to blocky 300*s*.; 19 chests *button* sold without reserve at 240*s*. to 250*s*., and one lot ordinary RL 1 at 260*s*. per cwt. The sales for delivery include TN for May at 210*s*. to 220*s*. to 215*s*.

The Calcutta branch of Suzuki & Co. has cabled the firm's London office a report of a bumper sticklac crop, the Bysaki being the largest of the crops. The approximate estimate, April to October, is 800,000 maunds sticklac, or, say, about 400,000 maunds shellac, equal to 200,000 chests shellac. Mail particulars of the two smaller crops, the Kutki and Kusmi crops, also show a big increase on last year's crops, this year's estimate for both showing 228,000 maunds shellac, or, say, 114,000 chests. Including Assam and Burma, the total estimate shows 130,000 chests. This, together with the Bysaki crop report, aggregates 330,000 chests shellac.

Titanium White.—The recent considerable cut made in this high-class varnish has attracted attention, and the market is steady.

Turpentine.—The tone is very quiet, and holders in this market have reduced their price to 46*s*. to 46*s*. 6*d*. per cwt., at which sales have been made.

Seeds and Spices.

Anise.—Some Cyprus has been sold at 65*s*. per cwt.

Canary Seed is steady, with sales of good ordinary at 60*s*. per quarter; for good quality the quotation remains at 85*s*. to 90*s*.

Caraway Seed is lower at 29*s*. per cwt. for fair Dutch and 22*s*. for North African.

Cloves are quiet, with sellers of fair Zanzibar at 9½*d*. per lb., and March-May shipment at 8½*d*. c.i.f.

Coriander Seed sells steadily at 9*s*. to 10*s*. per cwt. for wormy and 18*s*. 6*d*. to 19*s*. for sound.

Cumin Seed is firmer; sellers now ask 22*s*. 6*d*. to 24*s*. per cwt. for ordinary to fair Morocco.

Fenugreek Seed.—Business is doing at 10*s*. per cwt. for fair Morocco.

Hemp Seed is much lower at 17*s*. per cwt. for fair Manchurian.

Linseed is lower at 20*s*. to 22*s*. 6*d*. per cwt. for fair to good bold.

Pepper is quiet, with spot sellers of fair black Singapore at 3¾*d*., and April-June shipment at 3¾*d*. c.i.f. Lampong is 4½*d*., Tellicherry 4½*d*., and Alleppy 4¼*d*. spot. Muntok *White* pepper is 8¼*d*., and Singapore 7⅞*d*. spot, at which sales have been made.

Pimento is quiet, with spot sellers at 2¾*d*. per lb. spot.

Essential Oils.

Inquiries during the week appear to have been numerous, but genuine demand is strictly limited to immediate requirements. The downward trend of prices continues, although holders are not so ready to yield in certain articles. Forward prices of star anise and cassia oils are firmer, and hand-pressed lime oil is scarce and dearer. Among the easier oils are bay, Chinese camphor, cardamom, Seychelles cinnamon leaf, Java citronella, sweet fennel, Algerian geranium, lemongrass, Paraguayan petitgrain, and Spanish rosemary oils. Caraway, juniper berry, American peppermint, Spanish thyme, and wormseed oils are cheaper. Holders of synthetic chemicals are hoping to benefit from the impending legislation, and are consequently less inclined to accept business at the low prices which have been current. A few articles, however, are cheaper following improved supplies, among these being aubepine, eugenol, and geraniol.

Anise (Star) is quiet on the spot and unchanged at 2*s*. 3d. per lb. for "Red Ship," with 2*s*. 4½*d*. quoted in some directions. To arrive is quoted firmer at 2*s*. 2*d*. to 2*s*. 2½*d*. c.i.f.

Bay.—West Indian is a shade easier at from 17*s*. 6*d*. to 18*s*. 6*d*. per lb., according to quality.

Bergamot.—Spot sales have been made at 20*s*. per lb. for 37 to 39 per cent. c.a. and from 20*s*. to 21*s*. represents about the value of good brands. To come forward is quoted variously at from 20*s*. to 22*s*. 6*d*. c.i.f.

Bois de Rose (Femelle).—In the absence of demand, quotations are nominal at from 15*s*. to 18*s*. per lb.

Camphor.—Chinese essential white is easier at 135*s*. to 145*s*. per cwt. on the spot.

Caraway.—It is reported that distillation for the present has practically ceased, and distillers are selling from stocks. Spot quotations are a shade easier at 8*s*. per lb. for rectified, and crude is quoted at from 6*d*. to 9*d*. per lb. cheaper.

Cardamom.—Spot-holders quote 76*s*. per lb., which is cheaper.

Cassia is unchanged at 4*s*. 3*d*. per lb. for spot 80 to 85 c.a. Lower percentage oils are sold chiefly by negotiation. To come forward 3*s*. 5*d*. c.i.f. for 80-85 per cent. is still the figure, and cabled bids of 3*s*. 3*d*. have not been accepted. Spot stocks are said to be very low, and higher prices are expected to follow a revival in interest.

Cedarwood.—Spot-holders continue to quote 3*s*. 6*d*. to 3*s*. 9*d*. per lb.

Cinnamon.—Ceylon leaf is unchanged at 5½*d*. per oz. for spot. Indian distilled, testing 90 per cent., is cheaper at 7*s*. per lb., and Seychelles can be obtained on the spot about 5*s*. 6*d*. per lb., which is slightly easier.

Citronella.—Ceylon is dull and unchanged at about 1*s*. 3½*d*. per lb. To arrive is quoted at 1*s*. 2*d*. c.i.f. Java is easier around 2*s*. 10½*d*. per lb., although quotations show considerable irregularity.

Fennel.—Sweet has been in demand at from 6*s*. 9*d*. to 7*s*. per lb. for spot, which is easier. Bitter is quiet at about 4*s*.

Geranium.—There is not much inquiry, and Bourbon is unchanged with 22*s*. to 24*s*. per lb. quoted as the spot value. Algerian is considered good value at from 31*s*. to 32*s*. on the spot, which is easier.

Gingergrass is nominal at 14*s*. per lb. for "insoluble."

Juniper Berry.—Better supplies from various sources

have resulted in a decline on spot, and offers are now made at a considerable range of prices—6*s*. 8*d*. to 10*s*. per lb. for B.P. according to origin. Spanish wood oil is lower at 3*s*. 4*d*. per lb.

Lemon.—Spot is unchanged at 3*s*. to 3*s*. 3*d*. per lb., but there is very little demand. To come forward averages about the same figures, although higher prices are quoted in some directions.

Lemongrass.—Cochin is quiet at 5½*d*. per oz. in cases, and drums at 5¼*d*. on the spot, which is slightly easier.

Lime.—Hand-pressed is firmer, with quotations made at from 20*s*. 6*d*. to 21*s*. per lb. on the spot.

Mint.—Japanese dementholised is quoted at from 4*s*. 1½*d*. to 4*s*. 3*d*. per lb. on the spot, and not much available at the lower figure. For rusty tins 4*s*. would be accepted. To come forward May-July shipment 4*s*. 3*d*. c.i.f. is the general quotation.

Nutmeg is unchanged with spot quotations about 8*s*. 3*d*. per lb. and 8*s*. for round lots.

Orange.—Sicilian sweet has fluctuated between 10*s*. 6*d*. and 12*s*. 6*d*. per lb., but the tendency seems easier and dealers have sold at 10*s*. during the week. Bitter is quoted around 8*s*. 9*d*.

Palmarosa is unchanged at from 16*s*. to 16*s*. 6*d*. per lb. in original pots. Forward quotations in some directions are considerably above these figures.

Patchouli is dull and unchanged at 65*s*. to 67*s*. 6*d*. per lb.

Pennyroyal.—Spanish is weak at 5*s*. 6*d*. per lb.

Peppermint is cheaper on the spot at from 20*s*. to 22*s*. per lb., according to quantity, for American tin oil, and to arrive 18*s*. c.i.f. is quoted.

Petitgrain.—Good brands Paraguayan are obtainable at 14*s*. to 14*s*. 6*d*. per lb. for spot, which is slightly easier.

Rosemary.—Spanish has declined slightly on the spot at 2*s*. 6*d*. to 2*s*. 9*d*. per lb.

Spearmint is unchanged at 35*s*. to 40*s*. per lb. for spot, and is quoted at 32*s*. 6*d*. c.i.f. to arrive.

Thyme.—Spanish red, 40 to 45 per cent. phenols is lower on the spot at 6*s*. 9*d*. per lb.

Wintergreen (Sweet Birch Oil).—Natural is unchanged at 27*s*. 6*d*. per lb. To come forward is quoted firmer at 28*s*. c.i.f.

Wormseed is cheaper on the spot, with quotations at from 26*s*. 6*d*. to 27*s*. 6*d*. per lb., according to quantity.

Aromatic and Synthetic Chemicals.

Aubepine is a shade easier at 15*s*. 6*d*. per lb. for straw colour. Benzyl benzoate is offered at 3*s*. 6*d*. per lb. ex wharf London Bromstyrol is steady at from 15*s*. to 16*s*. per lb., according to holder. Cinnamic aldehyde is obtainable on spot at 12*s*. per lb. for good quality. Citral is lower at 12*s*. to 15*s*. per lb. Coumarin.—A firmer tendency is noticeable this week, the best quotation being 10*s*. 6*d*. per lb., and up to 12*s*. is mentioned for spot. Eugenol is lower at 10*s*. 6*d*. to 11*s*. per lb. for immediate delivery, packings extra, and 9*s*. 6*d*. delivery within ten days. Geraniol.—Ex citronella is cheaper at 12*s*. per lb. for spot. Heliotropine is firm at from 12*s*. to 13*s*. per lb. Methyl anthranilate is expected to become dearer, but spot lots are still obtainable at 15*s*. per lb. Musks are in good supply on spot at 22*s*. 6*d*. per lb. for Xylol and 150*s*. for Ambrette. Safrol is slightly easier at 3*s*. 4½*d*. to 3*s*. 3*d*. per lb., according to quantity. Terpineol shows a slightly firmer tendency at from 1*s*. 9*d*. to 2*s*. per lb. for spot and to arrive at 1*s*. 7½*d*. c.i.f. Vanillin is the subject of much competition, and while 35*s*. 6*d*. to 36*s*. 6*d*. represents spot quotations for Continental, 35*s*. would buy American in 100-lb. tins.

Pharmaceutical Chemicals.

The market is very quiet and only business on the smallest of lines is being transacted. Holders have advanced their quotations in a number of products, owing, no doubt to the heavy reparation duty which future imports from Germany will be liable to, and which importers will have to pay out of their own pockets if they want the goods. Buyers are scarce, and little improvement can be hoped for until conditions get more settled. Aspirin amidol, amidopyrin, calcium lactate, citric acid, hexamine, methyl sulphonal, salicylic acid, and sulphonal are held for higher prices in most instances. Milk-sugar, acetanilide, guaiacol carbonate, and phenolphthalein are cheaper. Potassium bromide has arrived freely and is easier.

Acetanilide is easier on a quiet market at from 1*s*. 9*d*. to 2*s*. per lb.

Amidol is rather dearer at from 12*s*. 6*d*. (bottles extra) to 13*s*. 6*d*. per lb.

Amidopyrin is now much firmer, and prices are steady at 24*s*. to 25*s*. per lb.

Aspirin is distinctly dearer, but offering at various prices. Sellers of the leading brands ask 3*s*. 6*d*., and the market will probably advance to 3*s*. 9*d*.

Barbitone is now quoted by holders at 15*s*. to 15*s*. 6*d*. per lb. The market is on the quiet side.

Benzaldehyde (0.03) continues steady at 4*s*. 6*d*., but there is very little demand.

Benzoic Acid continues to be offered at 2*s*. 3*d*. per lb., with the market quiet.

Bromides.—Quite a number of arrivals of potassium have taken place from Hamburg this week, and the market for this salt has tended weaker at from 11*d*. to 1*s*. per lb. These arrivals were probably not affected by the German reparation duty, but new business is at a standstill, as the German makers want their payment in full. Sodium is unchanged at 1*s*. 1*d*. to 1*s*. 2*d*., and ammonium is 1*s*. 2*d* to 1*s*. 3*d*. per lb.

Calcium Lactate is firmer and now steady at 2*s*. 9*d*. to 3*s*. per lb.

Chloralhydrate is showing up much firmer and is steadily quoted at 5*s*. to 5*s*. 3*d*. per lb.

Citric Acid is decidedly dearer and in better demand at 2*s*. 4*d*. per lb., less 5 per cent., on the spot. Up to 2*s*. 3*d*. has been paid and refused. The advance is due to higher prices asked by the Italian makers, who quote 2*s*. 7*d*. c.i.f. for forward delivery.

Cocaine is steady, with hydrochloride selling at 12*s*. 9*d*. per oz., and slightly less for quantity.

Cream of Tartar.—There is a steady consumers' demand at unaltered prices, foreign powder offering at from 130*s*. to 135*s*., with one quotation of 127*s*. 6*d*. per cwt. for B.P. quality.

Creosote continues to be offered unchanged at 4*s*. 9*d*. per lb. for U.S.P.

Creosote Carbonate is a steady market at from 18*s*. 6*d*. to 20*s*. per lb.

Guaiacol Carbonate has experienced a considerable fall and is now quoted at 15*s*. 6*d*. to 16*s*. per lb.; market continues unsteady.

Hexamine appears to be steadier with values unchanged at 6*s*. 3*d*. to 6*s*. 9*d*. per lb., and 6*s*. c.i.f. to arrive, the latter being easier.

Hydroquinone continues unchanged at 5*s*. 9*d*. to 6*s*. per lb.; market is steadier.

Methyl Salicylate is quoted at about the same level as last week at 3*s*. per lb.

Methyl Sulphonal has advanced on a fairly brisk market and is now quoted at about 18*s*. to 19*s*. per lb.

Milk Sugar is lower, Dutch powdered offering at from 155*s*. to 160*s*. per cwt., according to quantity.

Paraformaldehyde is much steadier, with the market firm at 4*s*. per lb.

Paraldehyde continues steady at 2*s*. 3*d*. to 2*s*. 6*d*. per lb., and 2*s*. c.i.f. to arrive.

Phenacetin is quoted unchanged at 7*s*. 9*d*. to 8*s*. 3*d*. per lb.; market is steady and quiet.

Phenazone continues to be offered by dealers at 8*s*. 6*d*. to 9*s*. per lb.; market is quiet.

Phenolphthalein is inclined to ease off slightly; current quotations are about 5*s*. per lb.

Piperazine is maintained at 4*s*. 6*d*. per oz., but the market is unsettled.

Potassium Bromide (see Bromides).

Potassium Permanganate.—B.P. crystals are now offering steadily at 1*s*. 9*d*. to 2*s*. per lb; market has a much better tone.

Potassium Sulphoguaiacolate is unchanged at 9*s*. to 10*s*. per lb, with the market continuing quiet.

Saccharin shows an increased demand at from 123*s*. to 124*s*. per lb., duty paid, for 550 pure.

Salicin has been reduced by makers by 5*s*. per lb. to 23*s*. per lb. for 1-cwt. contracts.

Salicylates.—*Salicylic acid* is distinctly dearer, and the cheaper parcels are gradually becoming absorbed. B.P. acid powder has been selling at from 1*s*. 3*d*. to 1*s*. 4*d*., and in some quarters the lowest price is 1*s*. 6*d*. *Sodium salicylate* is unchanged, but with a firm tendency, at from 2*s*. 6*d*. to 2*s*. 8*d*., crystals offering at from 3*s*. 3*d*. to 3*s*. 6*d*.

Salol is 3*s*. 6*d*. to 3*s*. 9*d*. per lb. and shows a hardening tendency.

Silver Nitrate.—The price for crystals based on a metal price of 35½*d*. per oz. is as follows: In quantities of 25 oz., 2*s*. 1¾*d*. per oz.; 50 oz., 2*s*. 1¼*d*. per oz.; 100 oz., 2*s*. 0¾*d*. per oz.; 250 oz., 2*s*. 0¼*d*. per oz.; 500 oz., 1*s*. 11¾*d*. per oz.

Sodium Benzoate remains at 2*s*. 3*d*. per lb. on a dull market.

Sodium Diethylbarbiturate is maintained on a quiet market at about 24*s*. 6*d*. per lb.

Strychnine Salts are lower. The English makers quote acetate at 9*s*. 4*d*., arseniate 9*s*. 2*d*., bisulphate 8*s*. 8*d*., cacodylate 14*s*. 6*d*., citrate 9*s*. 3*d*., hydroiodide 10*s*. 3*d*., hydrobromide 9*s*. 5*d*., hydrochloride B.P. 9*s*. 1*d*., hypophosph. 11*s* 1*d*., nitrate 9*s*., phosphate 9*s*. 7*d*., sulphate 8*s*. 10*d*., and valerianate 11*s*. 6*d*. per oz. The alkaloid remains unchanged at 9*s*. 10*d*. for crystals and 9*s*. 9*d*. for powder.

Sulphonal has advanced during the week, and is now steadily quoted at 20*s*. 6*d*. to 21*s*. per lb., some asking 22*s*. 6*d*.

Tannic Acid.—B.P. *leviss* remains quoted unchanged at from 4*s*. 9*d*. to 5*s*. per lb., being slightly steadier.

Tartaric Acid has hardened slightly in some quarters, fair average prices being from 1*s*. 8*d*. to 1*s*. 9*d*., with 1*s*. 7*d*. quoted by one holder.

Terpin Hydrate is maintained on a fairly steady market at from 4*s*. 3*d*. to 4*s*. 6*d*. per lb.

Thymol is offered but it not moving at 27*s*. 6*d*. per lb.

Heavy Chemicals.

April 6.

The few alterations recorded this week have apparently been caused by the uncertain conditions at present prevailing. Some soda products offering on spot have declined to a figure much below that of the makers', while Epsom salt has advanced considerably. Saltcake continues to drag, and holders find it impossible to move this product at any figure. Business generally continues extremely poor, buyers showing no signs of placing anything like their usual orders, owing to the industrial outlook.

Acetic Acid is again slightly easier, the spot supplies still offering are now down to about 45*l*. to 48*l*. for 80 per cent., and 54*l*. per ton for glacial. There is very little movement, and prices are far from steady.

Alum is a little cheaper. Lump in casks is now obtainable at 18*l*. 10*s*. per ton; material from the Continent is offering at below this figure.

Arsenic continues a neglected market, with quotations unsteady at about 48*l*. to 50*l*. per ton for white Cornish powder; arrivals from abroad are limited.

Barytes.—Importers in some cases made a further reduction for No. 1 late last week, and quoted No. 1 9*l*. 5*s*. and No. 2 6*l*. a ton ex ship London or Southampton for quantities of 20 tons and under, with 5*s*. less for over 20 tons up to 100 tons, and 10*s*. less for over 100 tons.

Bleaching Powder remains unchanged. The market is still quiet, but quotations are maintained at 20*l*. per ton for 35/37 per cent. material.

Carbolic Acid.—Crystals are much steadier, with quotations maintained at 7½*d*. per lb. packed in drums.

Copper Sulphate.—The demand is more restricted, and the tone on the whole is steady, although one hears of all sorts of prices, which may be attributed to the fact that competition is keen. Important makers have made but little variation in their terms for some weeks past, although now quoting 1*l*. per ton above their recent lowest—namely, 33*l*. to 34*l*. for casks f.o.b. Liverpool, less 5 per cent. Italian consumption is expected to be heavy this season, but there is plenty of sulphate made locally.

Formaldehyde is quoted at 112*l*. 10*s*. to 115*l*. per ton, with only small stocks available, but the demand is very poor.

Lead Acetate is offering, but there is practically no business recorded; quotations are being made at 50*l*. per ton for brown broken and 55*l*. for white crystals; orders could no doubt be placed at a lower figure.

Lead Products.—There is continued stagnation in white lead and lead oxides, but quotations have remained as fixed some few weeks ago. Export inquiries are practically non-existent, and the home crisis discourages interest on the part of the British consumer. The whole position of pig-lead and allied commodities is under a cloud. The stocks of the metal experienced a large increase last month, but it is a fact that it cannot be produced anywhere at a profit at the current value of under 20*l*. a ton, except in Burmah. Hence the contemplated renewed closing of the Australian mines, while one of the largest American smelters has stopped operations. Dry white lead is about 41*l*., less 5 per cent., ground in oil about 59*l*. per ton, packages extra.

Lithopone is still being inquired for, and quotations are being made at about the same figure as last week: 30 per cent. Continental red seal, 30*l*. per ton; green seal, 35*l*. 10*s*. to 36*l*. per ton.

Oxalic Acid is much firmer, with the market quite steady at 10*d*. to 11*d*. per lb.

Potash Caustic is showing a tendency to advance, and is now about 42*l*. to 45*l*. per ton for 88 to 92 per cent. material; prices are firmer and may advance; limited business is being done.

Potash Chlorate is still quiet; stocks available at about 6*d*. per lb. for crystals and powder.

Potassium Permanganate.—Commercial quality is still quoted by makers at 2*s*. per lb. A few spot parcels are on the market at about 1*s*. 8*d*. to 1*s*. 9*d*. per lb.

Sal Ammoniac is now quoted at about 55*l*. to 60*l*. per ton for lump imported material.

Saltcake is still freely offered by holders at 7*l*. per ton in bulk and 8*l*. in bags f.o.b. There is no demand, and buyers could no doubt obtain supplies at much below the figures quoted.

Soda Ash (58 per cent. light alkali) is still offered on spot at about 9*l*. 10*s*. per ton, but there is very little demand; makers' price for home trade only 8*l*. 10*s*. per ton in bags.

Soda Caustic (English, 70 to 72 per cent.) remains steady at about 21*l*. 10*s*. for spot lots, makers' prices are unchanged at 24*l*. 10*s*. per ton for home trade only; American, 76 per cent. material offering at about the same figure c.i.f. Continental ports, prompt shipment. It is doubtful whether there has been any business done during the past week.

Soda Crystals still offered on spot at 7*l*. 10*s*., but not being taken up; makers' prices unchanged at 7*l*. per ton in bags, carriage paid.

Sodium Bicarbonate is inclined to be a little easier at 10*l*. to 10*l*. 10*s*. per ton for refined in bags and 9*l*. 10*s*. to 10*l*. for mineral-water quality—stocks are held—only small business is being done. London prices are 30*s*. per ton more than the foregoing.

Sodium Hyposulphite.—Photographic quality in kegs is still quoted at about 25*l*. to 26*l*. per ton; commercial quality is unchanged at 20*l*. per ton in bags or casks, there is only a very limited demand.

Sodium Nitrate is a little easier at 21*l*. for 96 per cent. refined material f.o.r. Liverpool—market is very quiet.

Sodium Prussiate remains quite steady at about 8½*d*. to 9*d*. per lb.

Sodium Sulphide (60 to 62 per cent. solid) is weaker on a very quiet market, and is now offering at about 28*l*. per ton; the market remains unsteady, makers' prices for 60 to 65 per cent. concentrated in casks unchanged at 28*l*. per ton.

Sodium Sulphite (Anhydrous) is offered at the lower figure of 28*l*. per ton, but there is no demand, and the figure quoted is nominal.

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Tin Crystals are unchanged at 1*s.* 7*d.* per lb. for best material and 1*s.* 6½*d.* for seconds.

Zinc Oxide.—The renewed break in spelter has not had any effect on the attitude of oxide-makers, whose sales have continued on a fair scale since German offers have been withdrawn under the measures relating to the Reparations Act. Quotations for the home product are as given last week. It is not improbable that attempts will be made to market German oxide through Holland.

Coal-tar Products.—On an extremely quiet market a number of declines in value are recorded this week. Benzol is much cheaper and now quoted at 3*s.* per gallon for pure and 2*s.* 6*d.* for 90's. Toluol has fallen slightly and is now quoted at 3*s.* per gallon for pure and 2*s.* 6*d.* for commercial. Xylol has experienced a considerable drop since last week—current quotations are 3*s.* 6*d.* for pure and 3*s.* 2*d.* for commercial. Solvent naphtha, 90 to 160 per cent., is quoted at the reduced figure of 2*s.* 3*d.* per gallon. Heavy solvent naphtha, 90 to 190 per cent. is down to 2*s.* 6*d.* per gallon. Cresylic acid in all grades is much cheaper and now quoted at 2*s.* per gallon for crude, 2*s.* 4*d.* for dark 95 per cent., and 2*s.* 9*d.* for pale straw 97 to 99 per cent. Aniline oil and aniline salts are now quoted at the lower figure of 1*s.* 4*d.* per lb. on a very dull market. Betanaphthol is down to 1s. 9*d.* per lb. and remains unsteady. Disinfectants are much cheaper at 2*s.* 9*d.* per gallon. Naphthaline is quoted at lower figures for all grades: Crude, 6*l.* to 9*l.*; flakes, 28*l.*; crystals, 27*l.* per ton.

French Drug and Chemical Markets.

Paris, April 2.

Botanical Drugs.—Owing to the standstill of imports from Germany spot parcels show a good improvement in prices, and some of the current articles have become scarce. Swiss and Spanish competition is not yet efficient because of the unfavourable exchange rate. *Bilberries* are offered in large quantities under pre-war prices, 200 fr. per 100 kilos. (34*s.* cwt.), and find ready buyers for dyeing purposes as well as for marmalade. *Black alder tree* is cheap at 300 fr. (54*s.* 6*d.* cwt.). There are fair stocks of *Limetree flowers* at 600 fr. (109*s.* cwt.), Roman *Chamomiles*, 660 fr. (120*s.* cwt.). *Lavender flowers*, select, are 700 fr. (127*s.* 3*d.* cwt.). *Pansy* declined to 350 fr. (63*s.* 7*d.* cwt.), and is worthy of interest. *Belladonna leaves* are neglected at 550 fr. (100*s.* cwt.), and *root* is fairly well exported to the U.S.A. at 580 fr. (105*s.* 5*d.* cwt.). *Henna leaves* decrease gradually, and can be bought under 370 fr. (67*s.* 7*d.* cwt.) for Egyptian, while rubbed *Marjoram* is firm at 375 fr. (68*s.* 2*d.* cwt.); and *Digitalis* (high grade) is fully absorbed at 350 fr. (63*s.* 7*d.* cwt.) by our new digitalin-makers selling a perfect product at 120 fr. (21*s.* 9*d.*) per gram. *Boldo leaves* arrived at Havre, but are slow of sale at 425 fr. (77*s.* 3*d.* cwt.), and 250 fr. (45*s.* 5*d.* cwt.) for damaged goods. *Irish moss* is quiet at 90 fr. (16*s.* 4*d.* cwt.) to 110 fr. (20*s.* cwt.) for first and second quality. *Poplar buds* are arriving freely again, and quoted at 600 fr. (109*s.* cwt.). *Gentian* is scarce at 210 fr. (38*s.* 2*d.* cwt.) *Alkanet* is in brisk demand at 500 fr. (90*s.* 9*d.* cwt.). *Marshmallow*, square cut, is 580 fr. (69*s.* cwt.), and offered abundantly. *Tormentil root* is neglected at 350 fr. (63*s.* 7*d.* cwt.). *Celery seed* has been very quiet for two months, but now shows signs of improvement, and some big parcels changed hands at 325 fr. (59*s.* cwt.). *Parsley seed* (high grade) is quiet owing to a standstill in apiol sales; price is nominal at 300 fr. (54*s.* 10*d.* cwt.) to 320 fr. (58*s.* 6*d.* cwt.). Special attention may be called to *Soap nuts* (*Sapindus*), well known to German saponin-makers; they should be worth the attention of their English competitors. These nuts contain a high percentage of saponin specially suitable for the textile industry, and as an effervescent in mineral waters. Price is about 300 fr. (54*s.* 10*d.* cwt.).

Chemicals.—Industrial chemicals still show a downward tendency, although the importation has stopped entirely from Germany. The general idea is, however, that a sudden rise will follow when the new 50 per cent. duty comes into force. *Carbonate* and *Caustic Soda* are in good demand for export at 50 fr. (9*s.* 1*d.* cwt.) and 110 fr. (20*s.* cwt.) respectively. *Bichromates* are still lower; soda is 275 fr. (50*s.* cwt.) and potash at 500 fr. (90*s.* 9*d.* cwt.). *Borax* is 180 fr. (32*s.* 8*d.* cwt.); while *boric acid* fell from 420 fr. (76*s.* 4*d.* cwt.) to 390 fr. (70*s.* 10*d.* cwt.) this week. *Carbonate of Potash*, 75 to 80 per cent., is cheap at 150 fr. (27*s.* 3*d.* cwt.), and *Caustic Potash* is plentiful at 270 fr. (49*s.* cwt.). A fair business has been done in *Ammon. chlor.* at 200 fr. (36*s.* 4*d.* cwt.), and *Hyposulphite of Soda* at 100 fr. (18*s.* 2*d.* cwt.). *Lithopone* seems firm at 170 fr. (30*s.* 10*d.* cwt.). *Copper Sulphate* is in sharp competition from everywhere between 165 fr. (30*s.* cwt.) and 170 fr. (30*s.* 10*d.* cwt.).

Pharmaceutical Chemicals still show a hand-to-mouth business, with signs of improvement. *Antipyrin* is cheap at 50 fr. (18*s.* 2*d.*) per kilo. *Cocaine* is nominal at 1,450 fr. (527*s.* 3*d.*), and French manufacturers are handicapped by foreign makers offering at 1,250 fr. (454*s.* 1*d.*). *Morphine* is unchanged, and *Heroin* is 1,900 fr. (690*s.* 10*d.*). *Iodine* is 110 fr. (40*s.*) for resublimated and 95 fr. (34*s.* 6*d.*) for monosublimated. *Pyramidon* is cheaper at 100 fr. (36*s.* 4*d.*). *Quinine sulphate*, French, is 350 fr. (127*s.* 8*d.*); *Sparteine* is still dull at 400 fr. (145*s.* 5*d.*), but a big demand is probable. *Veronal* is obtainable at 80 fr. (30*s.* 10*d.*). *Santonin* is badly wanted. The high exchange rates make the English price 3,200 fr. (58*l.* 3*s.*) per kilo., against 2,800 fr. (50*l.* 18*s.*) a month ago. The general idea is that business will improve shortly.

Chemical Prices in Roumania.

The central sanitary depôt in Cluj (Kolozvar), the most important town in the Hungarian territory ceded to Roumania, has recently published a list of prices of available pharmaceutical products, from which we quote the following, prices being given in lei for 1 kilogram: Tartaric acid, 90; calcium carbonate, 8; zinc oxide, 20; acetic ether, 150; sodium bromide, 60; hexamethylenetetramine, 120; caffein sodio-salicyl., 450; pepsin, 300; Blaud's pills, per 1,000, 60; 100 mustard plasters, 40.

The Advance in Jamaica Ginger.

A considerable amount of business has been done during the past fortnight both for home trade and export, the latter chiefly to the United States, with the result that the whole of the stocks of sound root in importers' hands have been cleared at around 130*s.* to 140*s.* per cwt. The new crop should be ready for shipment about the end of the month and shipments continue throughout May and June; but if, as is possible, America has been buying largely direct from the island as they did last year, the quantity available for this market may be small. The supplies shown in the weekly stock list that have arrived lately are old crop, and are all wormy. The official stock list this week shows 2,855 packages at the various wharves. Last year, about this period, a similar condition of affairs was in evidence, except that twelve months ago the stocks in London were larger—4,090 packages—and owing to America coming to this market for supplies, the price was forced up to over 200*s.* per cwt. It has been the general opinion that, if the crop this year was anything like normal, and there is nothing in the reports to hand to discredit this, prices should decline later.

Tightening the Grip on Narcotic Drugs.

The following notice appeared in the Constantinople papers on March 16, dealing with transactions in opium and other narcotics in bulk:

Notice.

By order of the Military Commandant all transactions in bulk of the undermentioned drugs are to be reported to the Sanitary Commissioner, Kraecker's Hotel. The Allied Police have received orders to take strong action against any person infringing this order. Retail transactions in these drugs continue to be governed by the Turkish law on the subject. All retailers are responsible for making themselves acquainted with this law:

Cocaine and its derivatives.
Opium and its derivatives.
Cannabis indica (hachiche).

(Signed) G. Baillard, Colonel.
President Allied Police Commission.

It is quite evident from the above that this is a preliminary step to prohibiting the exportation of opium from Turkey in the near future except under licence. The circumstances also point to the fact that it will be impossible to ship opium from Turkey to any country that is a party to The Hague Opium Convention without an import licence from that country, nor will it be possible to ship opium to countries which have not signed the Convention. We also understand that Persian exporters have asked for certain parcels of opium to be returned from London to them, but that the Home Office has refused permission for the opium to be exported.

"Oranges will be Cheaper."—Under this title a note appears in a Czecho-Slav pharmaceutical journal informing its readers that the Government has consented to the purchase in Italy of oranges to the value of 2,000,000 lire, for which Czecho-Slav carpets are to be exported to Italy. The oranges will probably cost 1 cr., possibly more, each (nominally 10*d.*).

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication; but he must in all cases furnish his real name and address to the Editor.

"Glaxo" Discounts.

Sir,—I have read "Xrayser II.'s" observations on the Glaxo controversy with interest, but I think he has missed the best point in the argument. This discussion has been going on for some time in the "Bulletin," a house-organ issued by the proprietors of Glaxo, the starting-point being an article by Mr. Nathan, in which he pointed out that chemists and their system of price-protection are to blame for trade lost to grocers and others. In the number which "Xrayser II." has under review the profit to the retailer is tabulated as 20 per cent. on sales, and the suggestion is made that to hold their own the chemists should accept half the present profit—that is to say, presumably only 10 per cent. on the turnover. But mark the sequel. If "Xrayser II." will turn over to the correspondence page in the same number he will find a note by the editor under the first letter, to the effect that "grocers are being forced to the conclusion that they require a margin of 20 per cent. on turnover of proprietary goods." In other words, these virile, strong, and independent tradesmen are just arriving, by force of experience, at the same decision that the puny, price-protected pharmacist arrived at long ago, and that is that 20 per cent. gross profit is not only not an extravagant margin for the retailer, but is absolutely necessary to pay expenses and provide the smallest of living profits. In short, retailers are beginning to realise that without some system of fixing minimum prices it is open to anyone to select one or two lines outside his own business and run them at a loss to attract other custom.

Yours faithfully,

Protected (2/4).

Apothecaries' Assistants.

Sir,—In reply to "A Pharmaceutical Chemist," we regard "professional pharmacy" as being pharmacy other than the keeping of open shop for the sale and dispensing of poisons—that is to say, the dispensing of the prescriptions of medical practitioners in places other than open shops, whether it be for the medical practitioner in private practice or in the hospital or institution. The letter he refers to under the heading "Dispensing Doctors" deals with cases where the doctors do their own dispensing. Such a state of things would not exist if those doctors had employed apothecaries' assistants to do their dispensing. I am sorry to say, however, that "A Pharmaceutical Chemist" will not have far to go to find some chemists' shops in the same deplorable condition, and in many cases the confusion is added to by the presence of other articles in which they trade, such as varnishes, paints, paraffin oil, tobacco, stationery, patent medicines, etc. "A Pharmaceutical Chemist" points out that according to an article in "The Hospital" the doctor has lost the art of prescribing and "making up," and it is only that class of person for whom the apothecary's assistant is qualified to dispense. Yet he goes on to show how pharmacists themselves have been striving to do the dispensing for these very people in hospitals and institutions, and as proof of their agitation in that direction points out that they are the only persons authorised to handle "dangerous drugs." If "A Pharmaceutical Chemist" will give the following points his unbiassed consideration he will see that in the event of a separation of prescribing and dispensing the apothecary's assistant can justly claim priority for all dispensing other than in an open shop.

1. From a strictly legal point of view the pharmacist can never perform his legal functions when he is employed as a dispenser to a doctor or institution, neither place being an open shop. In such capacity he must necessarily be on precisely the same footing as a totally unqualified person, whereas the apothecary's assistant does act legally when he is dispensing for an apothecary whether he be in private practice or in an institution. So that a pharmacist never acts legally, whereas in some cases the apothecary's assistant does.

2. The Ministry of Health Committee of the Pharmaceutical Society admits that the only statutory qualification in the dispensing of medicines is that held by the apothecary's assistant.

3. That about 80 per cent. of apothecaries' assistants are actually employed in that class of work, whereas we think there are less than 8 per cent. pharmacists so employed.

4. A point which is of the greatest importance is that apothecaries' assistants have always discharged their duties with safety, and to the entire satisfaction of those employing them.

Yours faithfully,

H. C. Richards, Hon. Sec.
Association of Certificated Dispensers.
46 Hathaway Road, Croydon.

The Supply of Contraceptives.

Sir,—A considerable amount of public attention is now being directed to the question of contraceptives, and the establishment by Mrs. Marie Stopes, D.Sc., of a "Mothers' Clinic" in which the practice of contraception is to be taught has led to numerous paragraphs in the Press. The number of proprietary preparations on the market is so numerous that it must arise that most of your readers may at any moment be drawn into a discussion on the propriety of the artificial prevention of conception in certain given circumstances, or may be asked a definite question on the relative merits of the various methods. A refusal to answer will drive the customer into hands less scrupulous and also, perhaps, less judicious. It is a lamentable fact that when the chemist turns to the senior branch of his profession he finds his physician friends extremely badly equipped to instruct him. "The Lancet" deplores the fact that "no part of the medical curriculum deals adequately with the applied anatomy, physiology, and pathology of the reproductive system. In certain physiological text-books detailed consideration of the system is omitted; in others it is disposed of in a brief chapter. Few teachers discuss openly and clearly the genesis, the psycho-physiological significance—with due reference to reaction time in either sex—of the sexual orgasm." This certainly reveals an amazing lack of education on the part of the medical profession, but, after all, it is from the pharmacist, and not from the physician, that both men and women obtain their contraceptives. In this relation, as in many others, the pharmacist—as pointed out by your correspondent "A Pharmaceutical Politician" (*C. & D.*, March 19, p. 79)—plays an exceedingly important part in relation to the public health. Not only the ethics of the control of parenthood, but all the methods of control should therefore be familiar to the pharmacist. The public in this as in a myriad of other matters in relation to health is far more likely to apply to the pharmacist than to the physician for advice, and the pharmacist should be equipped to give it. He should advise that no method should be adopted without the consent of both contracting parties, and if he plays his part as one of the guardians of the public health he should represent that it is the woman who suffers most by the use of contraceptives, as she robs herself of a physiological process which is not only desirable in the interests of the State, but essential to the physical well-being of the individual. Organs, such as the mammæ and the uterus, which are deprived of their natural functions tend to decay and to become the seat of degenerative processes, such as cancer.

Yours sincerely,

M.D., Ph.C. (28/3).

Genuineness of Prescriptions.

Sir,—In paragraph 9 of the medical evidence before the Departmental Committee on the Draft Regulations under the Dangerous Drugs Act, the British Medical Association presents the dilemma of a pharmacist who receives a prescription purporting to be written by a medical man in another town. This, of course, is a position with which we are faced to a certain extent every time we dispense a prescription containing a statutory poison, and even if we turn up the doctor's name in the Medical Directory it is no guarantee that the script is genuine. But with the case of ordinary drugs it would be of no benefit to anyone

to obtain them fraudulently, and prescriptions written correctly in the duly recognised nomenclature and symbols are accepted without misgiving; it is only when the poisons used as "dope" come into question that trouble is likely to arise, and to be of any use to the dope fiend the drug would probably have to be ordered in such a form or quantity as to arouse the pharmacist's suspicion. If, however, the Regulations are going to be so stringent as to throw the onus on the dispenser, as the Association points out, it would lead to the chemist refusing all such scripts unless he was personally acquainted with the doctor's handwriting. This, of course, would be an impossible situation, and the sooner the authorities recognise that they should concentrate their energies on the criminal, and not on the man pursuing his legitimate calling, the better. I see in the Press that the Ministry have issued draft regulations with regard to tinned milks, etc., so that grocers and others are now raising a protest. If this regulation policy is going to be pursued in all trades by officials with no technical knowledge we shall soon be in such a hopeless mess that no business man will be able to carry on.

Yours faithfully,
ANTIDOPE (4/4).

Parochialism in Pharmacy.

A Belfast Chemist (5/4), referring to the letter of "Barrister-at-Law" (*C. & D.*, April 2, p. 79), expresses the opinion that the Irish Pharmacy Acts and Poisons Act are not affected by the Government of Ireland Act, 1920, and that consequently there can be no possibility of free-trade in poisons in Ireland, as "Barrister-at-Law" conjectured might be the effect.

Legal Queries.

Smilax (17/3).—The statement on the carton of the paste dentifrice regarding the destruction of the germs that cause "sore throat and some blood and stomach diseases" could be interpreted as a recommendation for preventing disease and necessitating payment of medicine-stamp duty.

A. B. C. (21/3).—The police can prosecute a person who sells the "poisonous substances" included in Section 5 of the Poisons and Pharmacy Act, 1908. One of the Regulations (those for Ireland were given in *The Chemist and Druggist Diary*, 1920, p. 301) requires that the container must be "rendered distinguishable by touch from ordinary bottles or containers." Carbolic acid of any strength is a scheduled poison in Ireland under the Sale of Poisons (Ireland) Act, 1870.

H. J. (30/3) recently let a room over his shop at a weekly rent of 6*s.* 6*d.* The tenant paid a month's rent in advance, but before the end of the month left without giving notice. Is "H. J." entitled to claim rent for the room until after the tenancy has been terminated by a week's notice? ["H. J." is entitled to rent in respect of the room until after the termination of the tenancy by a week's notice; but having regard to the fact that the tenant has paid rent for a longer period than he occupied the room, it seems scarcely worth while incurring the expense and trouble connected with legal proceedings.]

Tenacious (29/3) has been tenant for many years of premises used both for business and dwelling purposes. His original lease expired on the Michaelmas quarter-day some years ago, and he has since stayed on as a yearly tenant without any notice terminating the tenancy having been given on either side. The property was recently sold, and the new landlord has given "Tenacious" three months' notice of his intention to increase the rent, which is at present 53*l.* a year. Is this length of notice sufficient? [As a yearly tenant "Tenacious" is entitled to six months' notice to quit, terminating at a Michaelmas quarter-day, which is the anniversary of the commencement of the tenancy. The landlord is too late to give the requisite notice this year, and therefore the present tenancy cannot be terminated, nor the rent increased, until September 29, 1922. One month's notice of increase of rent is sufficient, and this may be given concurrently with the notice to quit, so as to take effect immediately the latter expires.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

G. R. (29/3).—Blood Purifier.—The formula for which you ask is as follows:

Potassium iodid.	1,260 grains
Chloric ether,	
Concentrated decoction of sarsaparilla, of each ...	3 lb. 4½ oz.
Solution of potash	5¼ oz.
Water to make	31½ pints

The other formulas for which you ask do not appear to have been published.

W. & S. (22/3).—Book on the Manufacture of Wine.—We think the book you are referring to is Henderson's "Wine-making" (10*s.*, Smith, 165 Queen Victoria Street, London, E.C. 4).

W. J. C. (22/3).—The formula you send for cleaning the enamel of a motor-car is of the "reviver" type of furniture polish. We consider that the quantity of hydrochloric acid might be reduced with advantage. In regard to the export of the liquid, you must bear in mind that the ingredients separate on standing, and that the terebene might be a source of danger if exposed to extremes of temperature.

Brandee (16/3).—Non-excisable Indian Brandee.—The following is from "Pharmaceutical Formulas":

Spirit of nitre,	
Tincture of rhubarb ...	aa. ℥iv.
Simple syrup	℥j.

Mix.

H. B. (22/3).—Soldering Fluid.—After "killing"—*i.e.*, saturating—hydrochloric acid with metallic zinc, add sal ammoniac in the proportion of ʒj. to ℥j. of the liquid, then strain through lint or cotton-wool.

E. M. (23/3).—Blue Colour on Steel.—See *C. & D.*, May 15, 1920, p. 76.

W. B. A. (31/3).—Sal Carolinum Factitium (Belgian Pharmacopœia).—The following is the formula for which you inquire:

Desiccated sodium sulphate	440 grams
Sodium bicarbonate ...	360 grams
Sodium chloride	180 grams
Potassium sulphate ...	20 grams
	1,000 grams

Six grams of this powder, dissolved in 1,000 c.c. of water, yield a mineral water analogous to that of Carlsbad.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1871.

The Poisons Regulations.

We have been favoured with nearly two hundred letters on the Poisons Regulations. About 90 per cent. of these are strongly opposed to their enactment, and among those who wrote in favour of compulsory legislation many qualified their approval by condemning the partiality which would be the result, unless the Privy Council could be induced to extend the regulations to surgeries as well as shops. We had planned to publish a proportion of these letters to represent as fairly as possible the views of all. This would now be a work of supererogation. The Council has surrendered, confessedly to the power of the provinces, and it is extremely likely that no further attempt will be made by anyone to impose "poisons regulations" on any portion of the dispensers of medicines. If the Privy Council should not be satisfied with the issue of the regulations merely as "recommendations," they must run the gauntlet of Parliament.

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Boxes 36 each 4/10
" 72 " 9/-

OUR PROPOSAL

Is to send 2 Display boxes of 36 or 1 box of 72 3d. packets, preferably, the latter. Window Stickers also supplied. Star No. Five.

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N.B. ALL PROFITS ARE BASED ON SELLING PRICE NOT ON COST N.B.

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(STAR TWO)

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3/6 PER DOZ. SELLS EACH 7D.

WE WOULD LIKE TO SEND

3 Cards, one for Window, one for Wall and one to draw supplies from. Mark off No. 2 Star, please!

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MUGUET FACE POWDER
(STAR FOUR)

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Just write the No. of your "Star" or "Stars"

(the more the merrier) on a post card. Sign your name and give your complete address. Then send on to us. It will then convey the information that the proposition (or propositions) to which they relate seem good to you, and that you would like to try them out. Of course, where additional advertising material is available it will be sent. Your success is our success. Now for the "Stars." See how many with "Numbers" you can get on your postcard.

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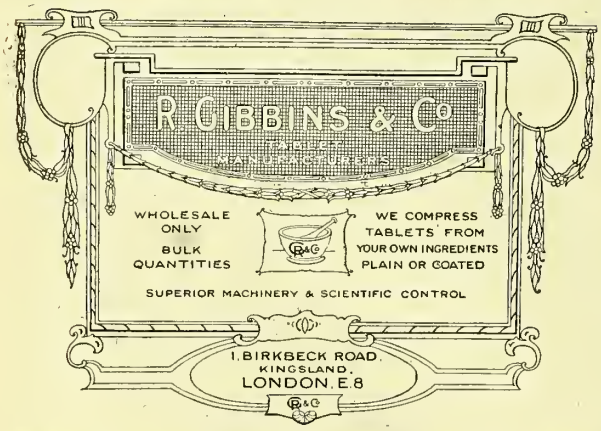

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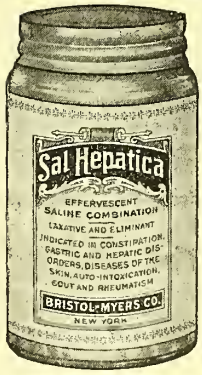

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6/-	,, (½ gallon)	6/-	4/5 each
10/-	,, (1 gallon)	10/-	7/3 ,,
		(jars extra, returnable)	

A credit of 6d. on each small bottle and 1/- on each large bottle of all old stock bought since 14th May, 1920, formerly sold at 2/- and 3/6 per bottle, will be allowed by the Manufacturers. Retailers who purchased through wholesalers since 14th May, 1920, should notify quantity in stock bought at old prices to wholesale house on ordering fresh supplies, when credits as above indicated will be allowed.

Campbell, Achnach & Co.'s, Ltd., Preparations—

5/9	"Camblac" Whirling Spray	5/9 ea.	47/6 doz.
4/-	,, Enema ...	4/- ,,	33/9 ,,
3/9	"Hydrine" ,, ...	3/9 ,,	31/3 ,,

Established 1843.

J. PILLISCHER,

88, NEW BOND STREET, LONDON, W. 1.

Manufacturer of

SCIENTIFIC INSTRUMENTS

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CELEBRATED "INALTERABLE"

CLINICAL THERMOMETER

International Exhibition Awards:—

12 GOLD MEDALS
14 GRANDS PRIX
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COLLOSOLS (CROOKES')

The Original Colloidal Preparations for Medicinal Use

are specified with increasing frequency on the script you deal with daily.

These "old drugs in a new form" have secured the confidence of your medical clientele.

Unique opportunities are afforded the pharmacist identified as the medium for local distribution.

Generous terms and loyal co-operation make the handling of these lines attractive and remunerative.

COLLOSOL ZINC CREAM

COLLOSOL SULPHUR

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Full Explanatory Brochure of all Collosol Preparations will be supplied free on application.

THE CROOKES LABORATORIES,
BRITISH COLLOIDS, LIMITED
22 Chenies Street,
Tottenham Court Road, W.C.1.
CORYTONS. *Telephones : Museum 3663 and 3697.*

Licoricine

Sells freely and readily.

Licoricine	Size	Per doz.
"RED BOTTLE	$10\frac{1}{2}$	8/6
OR		
ST. PETER'S OIL."	1/3	12/3
and		
"SPASM DROPS."	3/-	27/-

"No case too bad!"
Trade Mark,
ESTABLISHED 1854.

5% Discount 30 days, on orders of £6.

Licoricine is a popular remedy for Coughs and Colds wherever introduced.

Now is the time to get in your stock.

MANDALL & CO., LTD.

Tower Works, NEWCASTLE-ON-TYNE

National Telephone: 143 CENTRAL.

SPECIAL OFFER

to Chemists who will stock 'Shadforth' brand

BRAIN AND NERVE TONIC

(Prescription 470)

For MENTAL DEPRESSION, LOSS OF MEMORY, DEBILITY, NEURASTHENIA, &c.

Phosphorus 1-1000th gr. Damiana ... 2 *gr.*
Nux Vomica $\frac{1}{8}$*th gr. Lecithin* ... $\frac{1}{2}$ *gr.*

Price **1/9, 3/3** and **6/-**

We are just commencing to advertise this line more extensively, and invite our fellow-pharmacists to co-operate in its distribution on the following Special

CASH WITH ORDER TERMS :

Dozen	Minimum Retail	£ s. d.
2	1/9	£2 2 0
1	3/3	1 19 0
$\frac{1}{2}$	6/-	0 18 0
		£4 19 0
	Less $33\frac{1}{3}$% ...	1 13 0
		£3 6 0
	Less for Window Display	0 6 0
		£3 0 0

You cannot lose on this offer because unsaleable are exchangeable at any time for saleable sizes of this well-known line. Showcards sent with the goods.

Smaller quantities through your Wholesalers show a profit of 25%

Shadforth Prescription Service, Ltd.
Governing Director—
Mr. William Shadforth, Pharmaceutical Chemist,
63 Grove Road - BOW, LONDON, E. 9.
Phone: East 3644.
City Branch—49 King William Street, London Bridge, E.C. 4. Phone: Central 920.

Please mention "C. & D." Advt. of April 9, 1921, and mark your letter "Retailer's Department."

ETABLISSEMENTS CHATELAIN, 2 Rue de Valenciennes, PARIS.

All Chatelain's preparations are on the **P.A.T.A.** *List.*

Jubol, Globéol, Gyraldose, Pagéol, Fandorine, Sinubérase, Filudine, Jubolitan, Jubolitoires, Vamianine, Dialirol, Linycol, Rhino-Fogyl, Fogyl, Romanyl, Poral, Poralin, Noctyl, Rucoval, Furosyl, Succine. Corivore-Plaster, Collampoules: Vamiol, Bokanol, Gamostyl, Plasmocol, Dosarter, Pyran.

Urodonal

Costs you 9/7
Sells at 12/-

SIMILAR TERMS ON ALL PREPARATIONS.
From Sangers; May, Roberts; Butler & Crispe, and all Wholesalers.

Sole Agent for U.K.:
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TIDMAN'S SEA SALT

P. A. T. A.

secures profits as follows—

3d.	Packets	44%	on	Cost	Price
1½ lb.	Boxes	37%	"	"	"
3½ lb.	"	37%	"	"	"
7 lb.	"	41%	"	"	"
14 lb.	"	35%	"	"	"

All orders of 20/- value and upwards are carriage paid. Cases at bare cost.

*28 lb. Bags, *56 lb. " *1 cwt. "	Sent direct to Chemist's own customer	16% 20½% 24%

*No Stock to hold or handle.

Prices on application to—

TIDMAN & SON, LTD.,
WAPPING, LONDON, E. 1.,
or to any Wholesale Patent Medicine House in the United Kingdom.

A proven line —steady profits

Liberal discounts—splendid sales—strongly backed by the Medical Profession, from whom we have hundreds of convincing testimonials. This is why

Sphagnol

SOAPS & OINTMENT

should be on *your* counter—it's a money-making line.

Sphagnol preparations are the remedy for all skin diseases, including **Eczema, Chilblains, Pruritus, Psoriasis, Acne, Scabies, Seborrhœa, Hæmorrhoids, Alopecia, Herpes, Lichen, Impetigo, Sycosis, Urticaria.**

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Write us to-day for details and get in touch with better business.

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Genuine Russian **LIQUID PARAFFIN**
All gravities, correct viscosities

"Jasmine Brand" **ADEPS LANÆ** Superfine Anhydr. and Hydrous
Lanoline

"Jasmine Brand" **PETROLEUM JELLIES**
White and Yellow

B.P. 1914
Finest Qualities
Competitive Prices.

"Jasmine Brand" **WHITE OILS** Chem. Pure, Water-white, Tasteless, Odourless
FOR MANUFACTURING PURPOSES

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.
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Actual Refiners and Manufacturers at their Works near London.

Be prepared!

ADVERTISEMENTS for "Semprolax" are appearing regularly in all the best-known national dailies and weeklies. Be prepared for the certain demand for this elegant and palatable 80 per cent. Liquid Paraffin Conserve. Satisfies your customers and increases your profits and prestige.

TRADE MARK "Semprolax" LAXATIVE CONSERVE

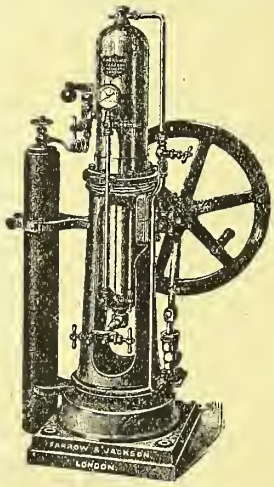
P.A.T.A. Prices:
25% profit.

	Retail.	Per doz.
½ lb.	2/0	18/0
1 "	3/9	34/0
2 "	6/6	58/6

The
Wm. Browning Co. Ltd.,
Albert St, Regent's Park,
London, N.W. 1.

SODA WATER PLANT

OUTPUT FROM 200 DOZ. PER DAY AND UPWARDS
Best London Make and Latest Improvements.



Counter Fountains and Draught Arms.

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Filling, Corking and Capsuling Machines.

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ESTABLISHED 1798,
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PURE CASTOR OILS

PHARMACEUTICAL — TECHNICAL

Castor Oils, *Medicinal, Lubricating.*

Colza Oils, *Best Pure, Prepared.*

Linseed Oils,

Best Raw, Double Boiled. Refined,

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Best Pure Spirits.

Substitutes,

Best Grades.

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LINSEED OIL. TURPENTINE.
FINE OLIVE OILS.
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PETROLEUM JELLY.
CRUSHED LINSEED.

PRICES ON APPLICATION.

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MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

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Barley at its Purest

Fawcett's Natural Process Barley, prepared with milk, is highly recommended for the aged, invalids, expectant mothers and young children because it is specklessly clean—unbleached—untreated by chemicals—untouched by hand.

FAWCETT'S Natural Process BARLEY

Particulars of other Fawcett's Specialities on application to

The YORKSHIRE PEARL BARLEY MILLS, Ltd.

POCKLINGTON, YORKSHIRE.

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The Medical Profession are recommending VITMAR for delicate Children and Invalids.
If you do not yet stock it your wholesaler will supply you.

Manufacturers—

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HAVE IT ON 14 DAYS' TRIAL!

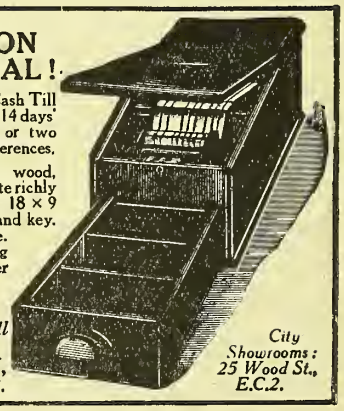
The "Improved Dudley" Cash Till No.CD/3304 will be sent on 14 days' trial on receipt of Cash or two wholesale London trade references.

Made from well-seasoned wood, stained and polished to imitate richly coloured mahogany. Size 18 × 9 × 7½. Lid fitted with lock and key. Recording paper 3½" wide. Automatically rings warning bell every time cash drawer is opened.

85/- each.

"Improved Dudley" Till Coils 5/- doz.

DUDLEY & COMPANY, HOLLOWAY, LONDON, N.7.



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TONIC HERB BEER TABLETS

Produce Foaming, Appetising, Ambrosial Beer in a few seconds.

One Tablet added to half a pint of water produces one glass of excellent non-alcoholic beer.

Packed in artistic tins (each containing 25 tablets) retailing at 1/6 per tin.

Wholesale Price **12/-** doz.

ARTISTIC AND UP-TO-DATE SHOWCARDS SUPPLIED

We can also supply in bulk; prices and samples on application.

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EMMOTT STREET, MILE END, LONDON, E. 1.

Gelatines

Fine Leaf Gelatine,
Pure Calf.

"Albion" Brand

(In 1-lb. Packets, 112×1-lb. to Case)

Made in England.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES

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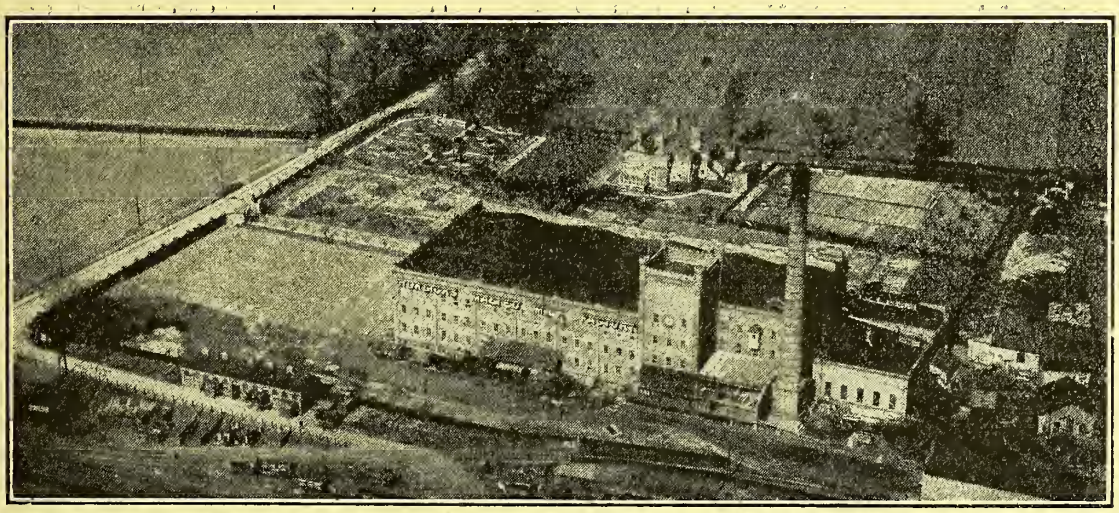
THE ORIGINAL



An aerial view of the works at Slough, Buckingham, England, where all the

HORLICK'S MALTED MILK

Supplied in Great Britain is Produced.

PRICE PROTECTED - - 2/-, 3/6, 15/-

Attractive Advertising Material Free and Carriage Paid on application to

HORLICK'S MALTED MILK CO.

SLOUGH, BUCKS, ENGLAND.

(Sir James Horlick, Bart., President.)

Prescriptions and Praises.

By its high therapeutic efficiency, Osmos is rapidly acquiring a national reputation as a remedy in Constipation, Biliousness, Dyspepsia, Liver and Kidney Disorders, Rheumatism, Gout, Hæmorrhoids, etc. Osmos is extensively prescribed by doctors, enthusiastically recommended by grateful patients, and well advertised by the proprietors. Chemists can therefore rely upon finding a rapid sale at a profit which makes the business well worth cultivating.

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The medical adviser of a well-known Member of Parliament writes:—"My patient was suffering from a severe attack of pneumonia, accompanied with acute constipation. I tried a number of remedies but all failed. I then administered a dose of Osmos warmed, which produced the desired result within half-an-hour."

Another prominent physician reports that Osmos "has worked wonders with a patient suffering from chronic constipation."

Osmos
The Great British Aperient Water

Trade Terms:
22/- per doz. bottles, carriage paid.
Retail Price:
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OSMOS Crown Wharf, Hayes, Middlesex.

Dr. Hale's
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee.
If not, get one, we will pay license.
Send for any further particulars

You agree to display "Vin Sanguis" always.
You give us an agreed initial order.
You always keep stock

PROPRIETORS OF DR. HALE'S VIN-SANGUIS
Transcontinental Agencies Ld.
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Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

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The Pottery, Langley Mill, near NOTTINGHAM
Makers of
STONEWARE BOTTLES and JARS

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All over the World

KUTNOW'S POWDER is in constant demand, and Chemists who stock it realise a handsome return for little effort. The reasons for this lie in the constant recommendation it receives from regular users, and extensive publicity in the press. Ask your wholesaler to quote you with reference to this profitable line. If you don't stock KUTNOW'S your customers will buy it somewhere else.

Ask your Wholesaler for full particulars and prices.

Kutnow's Powder

DEER LEAP REG. TRADE MARK

THE KUTNOW LABORATORIES, 41 Farringdon Road, E.C. 1.

Mr. CHEMIST, IS IT PROFIT YOU WANT combined with a real quality article ?
If it is - - WRITE US.
If it isn't - DON'T.

HEADLIVER SALT The Super Health Salt. Smartest tin on the Market.

"Real Fruit Value" GENUINE **GRAPE SALT** (8-oz. size) The Chemist's own line. Don't miss this. Biggest value ever offered

Now booking for forward delivery. Prices right. Quality right.

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ESTABLISHED 1839.

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From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL	12/6, 16/11, 21/6, 24/6
WHITE DRILL	14/6, 17/6
BLACK DRILL	18/6
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Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
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PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE
FOR QUOTATIONS apply to—
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The Largest Makers in the United Kingdom.
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Manufacturers of Oil-proofed and Rubber-proofed Cloths of every description.

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CASTLE GATE, NOTTINGHAM.

INVENTORS OF SEAMLESS ELASTIC HOSIERY.

SURGICAL APPLIANCE MANUFACTURERS.

Specialities:

Abdominal Belts,
Trusses,
Suspensory Bandages,
Braces,
Elastic Web Bandages,
and Druggists' Sundries.

WRITE FOR PRICE LIST. ESTABLISHED 1833. TELEGRAMS: "APPLIANCE NOTTINGHAM."

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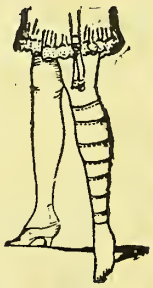

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

"Strength, Warmth and Elegance."

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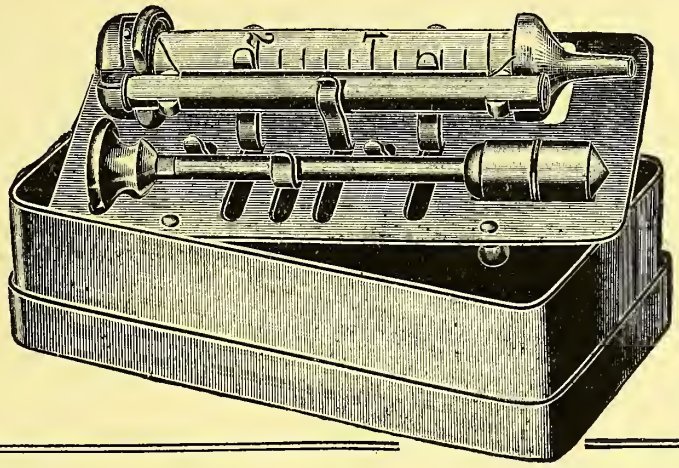
BRITISH MADE BRITISH MADE

These Syringes are made throughout in our factory in Birmingham

Guaranteed absolutely accurate and of high-class finish and quality.



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GREAT REDUCTION

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TO BE CLEARED.

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CHECK WATERPROOF, CIRCULAR, 8/- doz.

ALL-RUBBER, Fancy designs, from 10/6 doz.

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A postcard will bring you samples on approval.

SURGICAL RUBBER GOODS of all kinds.

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PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
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Washes Clothes without Rubbing.
Awarded Gold Medal, Paris, and Brussels Exhibition.
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Pyrogallic Acid Gallic Acid
Manufactured by **J. L. ROSE**
At ABBEY ROAD, BARKING, LONDON, E.
Wholesale and Export Only.

The Evan-Williams
Always in Great Demand.
Price List on Application.
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SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 10½d. 1/4 size, per post 1/7; 2/6 size, per post 2/9; 3/9 size, per post 4/8; 8d. size 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

SOMETHING NEW!!!
BOTTLE TEATS
In Hygienic Germ-proof Packing.
Appreciated by trade and public alike.
Write at once for Sample and Price to—
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ATOMIZERS and SPRAYS
THE DEVILBISS CO., LIMITED
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WHITEPHILL The Best and Cheapest White Dense and Filler
Especially suitable for Dental Creams, Powders, etc.
Prices and samples on application.
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Agency & Representative House. Established in 1875.
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AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

BEAUTY IN A BOX
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THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 years' Reputation.
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Reduced Price List can be had on application.
DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH.

PEOPLE WHO WON'T COME IN—
are no use to you and indicate that your window is not advertising profitably. Try our 3-doz. *T.M. Smokers' Paste* at 9/9 (P.A.T.A. 1/3), and 3-doz. *T.M. Smokers' Powder* at 3/9 (P.A.T.A. 7½d.) on special window terms. Make the counter busy by telling Thos. Christy & Co. you want some at once, along with the
T.M. **"PEAK" SHOW** 2

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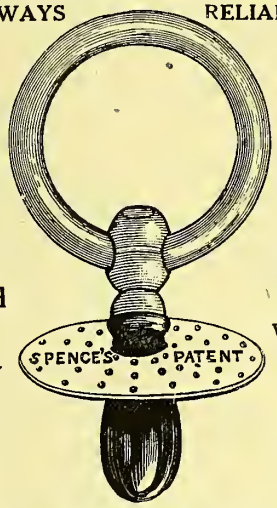
ALWAYS RELIABLE.

This is a Speciality of ours—Best Quality Well-Fitted and Attractively Carded.



Stocked in 95 Varieties. All Good Selling Lines and well-known to the Public.

A complete set of Samples can be sent upon receipt of Postal Order value 24/1 Net.
£1 orders and over, less 5% cash with order.
Carriage paid on 40/- orders and over.
Write for new List of Prices—many reductions.

H. B. SPENCE, 44 THORNE ROAD, SOUTH LAMBETH, S.W.8
Telephone: Brixton 1772.

ON P.A.T.A.

RIGOLLOT'S MUSTARD LEAVES

FOR PLASTERS.
THE ORIGINAL.
THE **ONLY** GENUINE.

7d., 1/- & 1/7 Packets
5/3, 9/-, 14/3 per Doz.

GUYOT-GUENIN & SON
67 Southwark Bridge Road
LONDON - - - - S.E. 1.

Careful Mothers insist on the NESTLÉ FEEDER

The superiority of the Nestlé Feeding Bottle is so obvious that doctors are advising it, nurses are recommending it and mothers insist on having it. Nothing is good enough for their little ones but a bottle which is perfect in hygienic construction; which cannot possibly harbour dirt or disease germs and which ensures that the food is taken without undue effort or excessive air.

Nestlé's Feeding Bottle is constructed throughout on scientific principles, it is impossible for the child to detach the teat and rubber valve which automatically cling and are made from pure plantation rubber. Colic is prevented because the flow of air behind the milk is systematically regulated. The feeder, made of virgin glass, can be tilted to and will remain at any desired angle. Its capacity is 10-oz., and every part, including the box, is thoroughly sterilized before leaving the factory.

NESTLÉ Feeding Bottle

the Cheapest full-sized Feeding Bottle on the Market.

Easy to sell; brings good profit and rapid turnover. Write to-day for full details and current trade price list.

NESTLÉ'S (Advert. Dept.),
6-8 EASTCHEAP, LONDON, E.C. 3.

The **W** *Brand of Hand-Moulded*

BOTTLES

AND

MEDICAL GLASSWARE

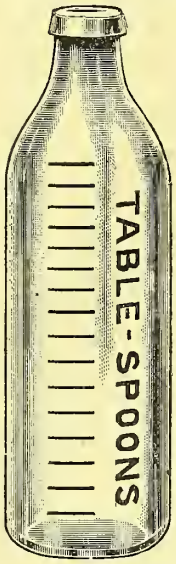
Free from dangerous "frosted glass."

.....

Finest Quality Dispensing Bottles, Poisons, Cheltenhams, Chest Squares, Shop Rounds, and Bottles for Proprietary articles, in various colours. Feeding Bottles and Sterilizing Milk Bottles in Heat - Resistant Glass.

.....

Wholesale only—



STERILIZING MILK BOTTLE.

DISPENSING BOTTLE.

WOOD BROS. GLASS CO. LIMITED,

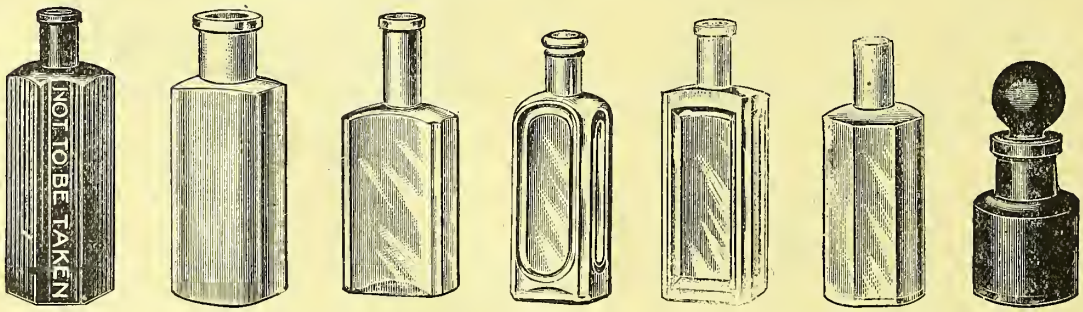
(*Established 1828*) BARNSLEY, ENGLAND.

Ludford & Co.

Brooksby's Walk - - HOMERTON, LONDON, E. 9.

GLASS BOTTLES

MADE EXCLUSIVELY BY BRITISH LABOUR.



ALL KINDS, FOR ALL PURPOSES, IN ALL COLOURS.
PLAIN OR STOPPERED.

Specialities: SCREW TABLETS & AMBER BOTTLES.

Telephone: Dalston 587. Telegrams: "Ludfordia, Hack, London."

Before Buying Bottles

GET MY QUOTATION!
I CAN SAVE YOU MONEY.

LARGE STOCKS. PROMPT DELIVERY. WINCHESTERS, TOBINS, VIALS, PANELS, KALIS, LIMES, MEDICALS, FLUTED TOILETS, SCREW POMADES. WRITE ME NOW. YOU WILL BE AMAZED AT MY "SAVE-YOU-MONEY" PRICES. Samples and Prices by Return.

I SPECIALISE IN EXPORT TRADE. EXPORT ORDERS RECEIVE SPECIAL ATTENTION. BOTTLES SECURELY PACKED FOR EXPORT.

JAMES A. ROCHE

GLASS & BOTTLE MERCHANT,
16, BRAZENNOSE ST., MANCHESTER.

Phone: CENTRAL 267.

Telegrams: "CHEMINGCO MANCHESTER."

LAMP-BLOWN GLASSWARE

Our methods are new and are such that we can supply much better articles than usual, and give quick delivery. In particular, we have developed the art of annealing small glass articles to perfection, with the result that the breakage factor has been enormously reduced.

Our Special Lines include: Flat Bottom Tubes, Ampoules, Serum Ampoules, Nasal Douches, Syringes, Menthol Inhalers, etc.

INQUIRIES INVITED.

JOHN TYE & SON, 457 Caledonian Road, LONDON, N. 7.

GLASS BOTTLES

WHOLESALE and EXPORT

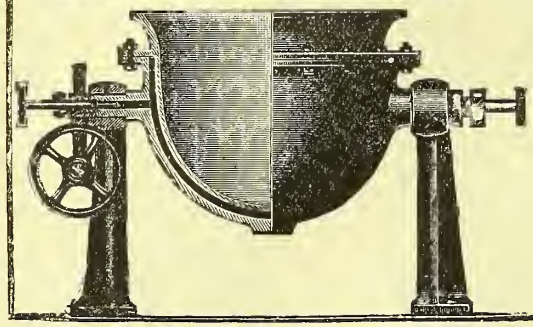
Medical Flats { Best Quality, Quinine Tinted. Pale Tinted, 2nd Quality.
Panels ,, Pale Green.
Vials, White Flint. All sizes.
Poisons. Actinic Green, Blue or Amber.

SAMPLES AND PRICES UPON APPLICATION TO—

FARROW & CO., 87 Borough High Street, LONDON, S.E. 1.

Telephone—HOP 3222.

ENAMELLED IRON APPARATUS



Suitable for all Temperatures and Pressures.

DANTO ROGEAT & CIE,

33-39 Chemin des Culattes, LYONS, France.

Suppliers before the War to the largest European Manufacturers of Chemical Products.

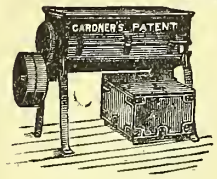
Write for Price List to Sole Representative:

H. SLOOG, 45 Great Marlborough Street, LONDON, W.1.

Tel.: Regent 2460.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER

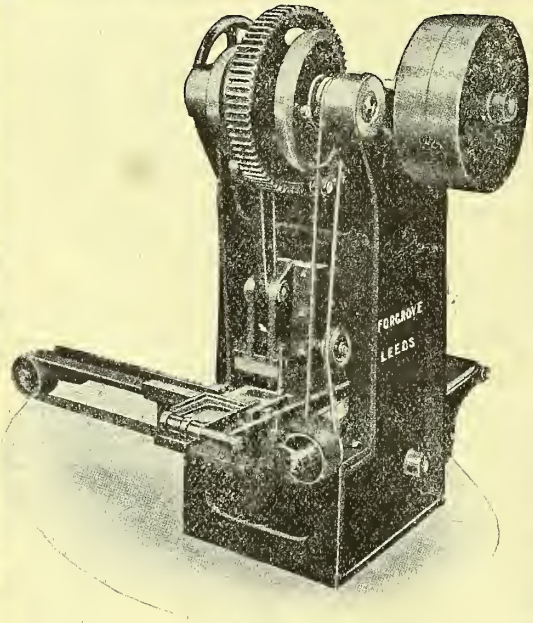
Laboratory Fittings and Equipment.

SPECIALITIES: Benches, Fume Cupboards, Stills, Drying Ovens, Gas, Water and Steam Fittings Electrically Heated Apparatus.

Quotations submitted for the complete equipment and installation of apparatus and plant for Educational Research, and Commercial Laboratories. *Lists Free.*

Stills, as illustrated, for gas and steam heating, made in sizes from 1 to 12 galls. per hour. Prices on application.

BROWN & SON,
ALEMBIC WORKS,
WEDMORE STREET, HOLLOWAY,
LONDON, N. 19.



SOAP STAMPING MACHINES.
Output, 50 pieces per minute.

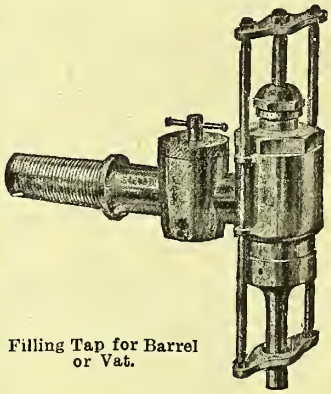
THE FORGROVE MACHINERY CO., LTD.
DEWSBURY ROAD, LEEDS.

INCREASE YOUR OUTPUT AND SAVE LABOUR

BY USING THE

"CENTRAC"

FILLING MACHINES



Filling Tap for Barrel or Vat.

For TUBES, POTS, JARS and BOTTLES.

The Best and Cheapest Machines on the Market.

Used by all Leading Firms.

Price of Tube and Jar-Filling Machine (Tin-plated),

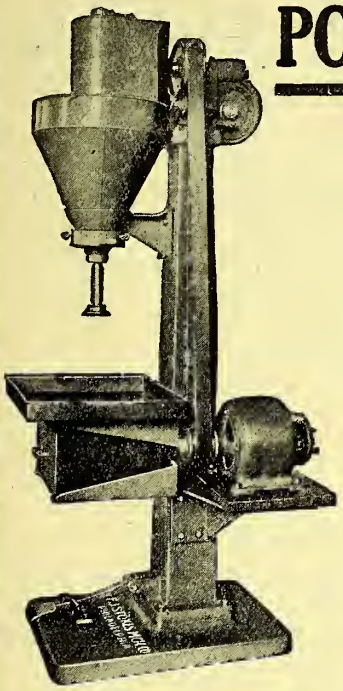
£7 10 0

Send us your requirements.

Sole Makers—

The Banister Street Works, Ltd.
ENGINEERS,
45 High Street, HOMERTON, E.9.

POWDER FILLING MACHINE



Immediate delivery, without motor.

"SOMEONE IN YOUR VICINITY" is going to buy a Stokes' Powder Filling Machine; why not let that someone be you?

This Machine fills powdered material into any style of container at the average rate of 25 packages per minute.

LOWER PRICES DO NOT MEAN LOWER PROFITS IF YOUR EQUIPMENT IS RIGHT.

THOMPSON & CAPPER, LTD.

Sole Agents: F. J. Stokes Machine Co.

Manesty Buildings, College Lane, LIVERPOOL.

Telephone: Royal 2060. Telegrams: "Sanitas Liverpool."

Put the Drummer in your Window

In addition to the sure result of directing profitable trade into your shop you stand every chance of winning the

£100 First Prize in the great

DRUMMER DYES

Window-Dressing Competition. Judged by Photograph.

140 other Prizes—see List alongside.

Official Entry Form must be obtained from the Drummer Dye Manufacturers, **WM. EDGE & SONS, Ltd., Drummer Dye Works, BOLTON,** who will supply with same a Schedule of Conditions, covering details of a special **BONUS SCHEME**—but every entry must be made on an Official Entry Form.

Competition is now open. Closes July 30, 1921.

Competitors are not debarred from sending in more than one entry.

First Prize	**£100**
2nd prize ...	**£50**
3rd prize ...	**£30**
4th prize ...	**£20**
5th prize ...	**£10**
6th prize ...	**£8**
20 prizes at £5	**£100**
100 prizes at £1	**£100**

A special prize of **£10** is to be awarded for the best original "Slogan" used in window.

Special prizes to Wholesale houses supplying 1st, 2nd & 3rd prize-winners with their Drummer Dyes.

1st prize	**£50**
2nd prize	**£30**
3rd prize	**£20**

"Give me the Old Drummer again!"

Collapsible Tubes

Betts' make the Best

METALLIC CAPSULES,
COLLAPSIBLE TUBES,
SPRINKLER CORKS,
TIN FOIL
or LEAD FOIL.

Betts & Co. Ld.
1, Wharf Rd., City Rd.
London, N.1.
Established 1857.

GLASS BOTTLES.
YORKSHIRE MAKE.

GRAD. MEDICALS
PANELS, POISONS
MEXICANS, LIMES
INKS, BRILLS, &c.

In White Flint, Pale Green, Actinic or Amber.

Cheapest House in the Trade

PROMPT DELIVERIES.

WM. BORTHWICK,
1 & 2 Staniforth Place, HULL.

Tel. Add.: "Borthwick Hull."
Telep.: Central 4054 Y.

Fitting a
SEMREH
BOTTLE CAP
is a
ONE-HANDED JOB.
A girl can do it without previous experience.
SELF-FIXING, TOO!
The VISCOSE Development Co., Ld.,
BROMLEY, KENT.

EXHIBITION STANDS
Designed and Erected.
SHOWCASES ON HIRE.
Send for Estimates to

H. MILLS & SONS

THE PREMIER
CHEMISTS' SHOP FITTERS
Shop Front Builders,
163-5 OLD ST., LONDON, E.C.

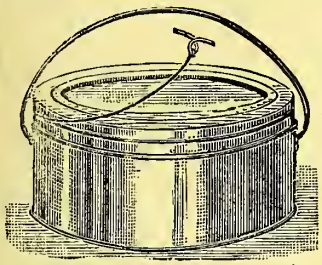
¶ Pharmacies Designed and Fitted at Lowest Prices consistent with high-class work.
Send your enquiries. Personal supervision.

SECCOTINE
IS
ADVERTISED

Seccotine is being largely advertised in the Press. Take full advantage of the demand thus created and let your customers know that you stock this useful adhesive.
For display purposes we offer advertising matter — show-stands, showcards, transparencies — free. Send for a supply.

McCAW, STEVENSON & ORR, Ltd.
(Sole Proprietors of Seccotine),
BELFAST and LONDON.

The Northern Tin Canister Works,



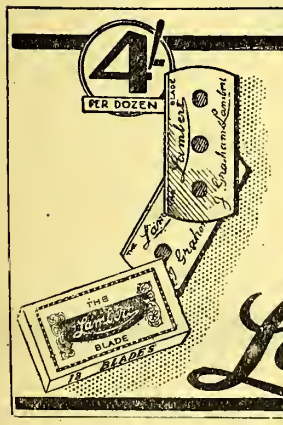
Patent Air Tight Slip-lid Tin For Export.

6 Mersey Street,
LIVERPOOL.

Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Prompt Deliveries Assured.



Bound to Sell.
Get the confidence of that dependable element—the patriotic British Public by offering them something British and Better—at a reasonable price. Sell Lambert—the British Razor Blade—*only*. A trial will convince you.
The Graham Lambert Manufacturing Co., Ltd, Nottingham Road, Leicester.

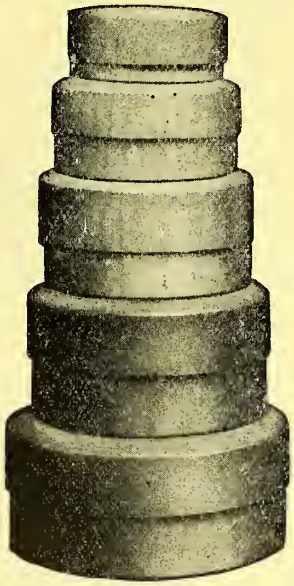
THE *Lambert* BLADE [11

"Corruganza" SEAMLESS PILL BOXES.

THE phenomenal success of the "Corruganza" Seamless Ointment Boxes has induced us to offer a series of Pill Boxes made on the same **One-Piece** principle. Stocked in usual sizes.

They cost a little more than the Ring and Disc style, but THEY HOLD THE GOODS, and do not fall to pieces in handling or in the pocket.

"Corruganza" SEAMLESS OINTMENT BOXES



Have replaced the old willow boxes.

The bottoms cannot fall out.

Greaseproof.

Manufacturers of all kinds of Cardboard Boxes, Folding Packets, Tubes and Canisters, Fibre-Board Packing Cases, Corrugated Paper, &c.

Wholesale or Export only from
HUGH STEVENSON & SONS,
LIMITED,
Summerstown Works, London, S.W.17
And at Manchester, Birmingham, Leith, Perth & Glasgow.

To Health!
KOH-I-NOOR
The Ideal Tooth Brush
Here it is——the Brush that makes a daily duty downright pleasureful!
KOH-I-NOOR, that's the name of a REAL Brush, thoroughly constructed from the best of materials—a clean, "hygienic-looking" article that's going to clean your teeth better by penetrating into the tiniest crevice—it's going to preserve them, too, by not damaging the delicate enamel in the slightest degree.
Look at the bristles—handle them, they're smooth but not soft, they're firm but not harsh. And see how they are buried deep down in the shaft with "rock-like" fixedness. It's a one-piece brush
3 Bristles firm but not harsh.
2 Each tuft fixed separately and guaranteed fast.
1 Shaft in 6 sizes and different colours, permitting one for each of family.
KOH-I-NOOR
The Ideal Tooth Brush
Your teeth need cleaning—not merely brushing. They're good enough to demand the best of Brushes that gets right down into the tiniest crevice and does its work pleasingly
It costs no more to say
KOH-I-NOOR
The Ideal Tooth Brush
and what a difference it makes to the Brush you receive!
THIS KOH-I-NOOR BRUSH HAS BEEN
The Guide to Safety.
KOH-I-NOOR
The Ideal Tooth
This KOH-I-NOOR will be as effecti
on the day you buy. It is built on
better way. Always smooth, but neve
guaranteed Tooth Brush which is
made in six sizes and distincti
KOH-I-NOOR
The Ideal Tooth Brush
You need NOW a Brush for your teeth that's taut enough to clean effici
scratching—that's pleasant to use—that retains its smoothness withou
sliminess, that fulfils the duties of a first rate brush made for t
KOH-I-NOOR is made in six sizes and distinctive colou
qualities, at 2/6 and 3/- per brush.
the leading Chemists and Stores
ADVERTISEMENTS
WHICH TELL THE
KOH-I-NOOR STORY
AN INTERESTING A
CONVINCING WAY

THREE MILLION TOOTH-BRUSH BUYERS WILL SEE THESE ADVERTISE-MENTS.

50% Profit on Cost

ON THE P.A.T.A.

	No. 522	523	519 (child's)
WHOLESALE, PER DOZ. - -	20/-	23/6	12/-
RETAIL PRICE, EACH - -	2/6	3/-	1/6

YOUR PROFITS GUARANTEED.

AN attractive Counter Display Stand is supplied free with orders for three dozen and upwards.

It will remind probable purchasers of the "advertisement-recently-seen-in-their-favourite-paper" and will help to complete the sale.

If you require a toothbrush that you can recommend with confidence order the KOH-I-NOOR.

STOCKED BY ALL WHOLESALE DRUGGISTS' SUNDRIESMEN.

COMBS

LADIES' DRESSING COMBS.

No.		Size.	Per Doz.
103	Black celluloid	7 × 1½″	6/6
171	White ,, ...	7 × 1½″	6/6
102	Black ,, ...	8 × 1¾″	7/6
101	White ,, ...	8 × 1¾″	7/6
121	Black ,, ...	7½ × 1¼″	8/6
222	White ,, ...	7¼ × 1½″	8/6
118	Black vulcanite	8 × 1¾″	10/0
116	Shell celluloid	7½ × 1¼″	12/0
166	White ,, ...	7½ × 1½″	12/0
187	Black ,, ...	7½ × 1½″	15/0
195	,, vulcanite	8 × 1¾″	15/0
107	,, celluloid	8 × 1¾″	20/0
106	White ,, ...	8 × 1¾″	24/0

GENTS' COMBS.

165	Black celluloid	6½ × ⅞″	6/6
144	Black vulcanite	7 × 1″	7/6
143	Black ,, stout ...	7 × 1″	8/6
241	Horn	7 × 1″	9/3

LADIES' RAKE COMBS.

No.		Size.	Per Doz.
223	Black celluloid	8 × 1¾″	8/0
224	White ,, ...	8 × 1¾″	8/0
167	White ,, ...	6 × 1¼″	8/6
119	Black ,, ...	8 × 1½″	10/6
196	,, vulcanite	8 × 1¾″	15/0
115	White celluloid	7½ × 1¾″	15/0
117	,, ,, ...	7½ × 1½″	18/0
174	,, ,, ...	8 × 1¾″	24/0
189	Black ,, ...	8 × 1¾″	24/0

LADIES' HANDLE COMBS.

104	Black celluloid	8 × 1″	15/0
105	White ,, ...	8 × 1″	15/0
216	Black vulcanite	8½ × 1¾″	24/0

SMALL TOOTH COMBS.

239	White celluloid	3 × 1¾″	4/6
151	,, ,, ...	3½ × 1⅞″	5/6
192	Black vulcanite	3 × 1¾″	7/6
202	Black ,, ...	3½ × 2″	9/0

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 GREAT SAFFRON HILL——LONDON, E.C.1.

BIDWELLS

HAIR BRUSHES

£12 PARCELS

Fancy Wood

NAIL BRUSHES

£3 PARCELS.

Factories: AXMINSTER, DEVON.

Fanchette (Regd.)

LIQUID FACE POWDER

A Charming Toilet Preparation.

Selling Price, **2/6** per bottle.

Retailers, Less 33⅓% Wholesalers, Less 33⅓% & 20%

MANUFACTURERS:

HARRIES, Fanchette Toilet Preparations

46 PARK CRESCENT MEWS WEST, W.1.

Special Clearing Lines

POCKET and SHAVING MIRRORS

BOUND IN LEATHERETTE

EXCEPTIONAL VALUE

Sample sets sent on approval provided you agree to return same within seven days.

FRANK BUCKLER, LTD.

CASTLE WORKS TOTTENHAM, N.17

Telegraphic Address: "CRESSWELL, WESTCENT, LONDON." **WORLD'S HEADQUARTERS FOR** Telephone: No. 1432 HOLBORN.

SPONGES

INTERNATIONAL SPONGE IMPORTERS, LIMITED.

CRESSWELL BROTHERS

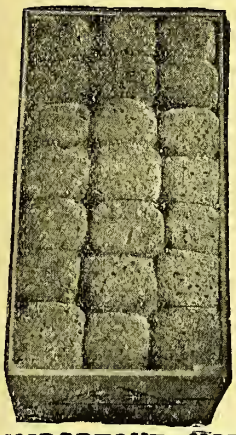
Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers,

18 & 19 RED LION SQUARE, New Warehouses and Steam Bleacheries, 45½ EAGLE STREET, **LONDON, W.C.** [BRANCH,

BEST HOUSE FOR SPONGES

Buyers are invited to call to Inspect our Magnificent Stocks and make their own Selections. Lowest Market Prices. Absolutely Best Values. The following abridged List will serve as a guide to Buyers when writing.

UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.



HONEYCOMB.

Extra Choice.
The Pick of all the Fisheries.
FINEST TEXTURE and SHAPE.

Pieces in Case.		Average Price per Piece.
300	Toilet at	9d.
250	,, ,,	1/-
200	,, ,,	1/6
160	,, ,,	2/-
140	,, ,,	2/6
120	,, ,,	3/-
100	,, ,,	3/6
90	Medium Bath	4/6
80	,, ,,	5/6
72	,, ,,	6/6
60	,, ,,	7/6
45	Large Bath.,	8/6
30	,, ,,	10/6

HONEYCOMB.

Toilet & Bath

Good 2nd Quality.

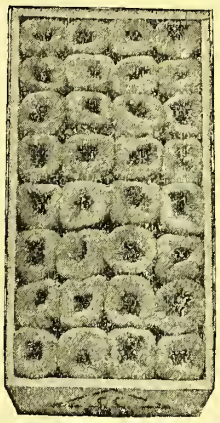
Pieces in Case.		Av'ge Price per Piece.
270	at	6d.
180	,,	9d.
170	,,	1/-
160	,,	1/6
140	,,	2/-
120	,,	2/6
110	,,	3/-
90	,,	3/6
80	,,	4/-
75	,,	4/6
70	,,	5/-
65	,,	5/6
60	,,	6/6

FINE TURKEY SOLIDS.

SELECTED SHAPES.

1st Quality.

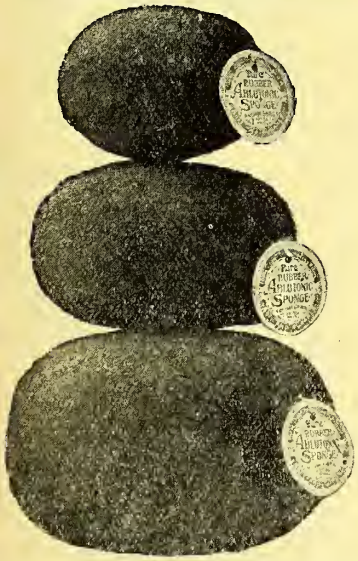
Pieces in Case.		Average Price per Piece.
Nursery 200	at	1/-
Toilet 150	,,	1/6
,, 100	,,	1/9
,, 100	,,	2/-
,, 80	,,	2/6
Bath 50	,,	3/-
,, 36	,,	4/-
,, 24	,,	5/-



IMPORTANT NOTICE. THE CONTENTS OF THE ABOVE CASES WILL BE PRESS-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.

LOOSE GOODS DEPARTMENT. **Sponges in Small Packages.** Fine Turkey. Fine Egyptian and Honeycomb. In 1st, 2nd & 3rd Qualities. Bleached or Unbleached (state which in ordering). On Strings of 1 dozen pieces, or loose in Bags. At per dozen: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool, Grass, Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s.

NEW VELVET HONEYCOMB. Soft, durable, and large for money. *Suitable for Toilet and Bath purposes.*
PRICES—Cut Shapes ... ... 3s., 4s. 6s., 9s., 12s., 15s., 18s., 21s., 24s. per dozen.
,, Natural Shapes 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s., 30s., 33s., 36s. ,,
Strongly recommended where an inexpensive Toilet & Bath Sponge is required.



The Best and most Saleable Rubber Sponge on the Market.

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A VERITABLE TRIUMPH OF BRITISH MANUFACTURE.

Very Soft, Durable and Absorbent.

Supplied in OVAL and ROUND SHAPES.

	Nos. 01	1	2	3	4	5	6	
Prices:—OVAL SHAPES	8/-	10/6	15/-	22/-	30/-	39/-	50/-	doz.

	Nos. 1 R	2 R	3 R	4 R	5 R	6 R	
,, ROUND SHAPES	13/6	18/6	27/-	39/-	50/-	60/-	doz.

Send for Samples.

LOOFAHS (Vegetable Sponge). In original compressed bales, as imported from Japan.

Size 8" by 10" about 5,000 pieces in Bale	Size 14" by 16" about 2,500 pieces in Bale
,, 10" ,, 12" ,, 4,500 ,, ,, ,,	,, 16" ,, 18" ,, 1,800 ,, ,, ,,
,, 12" ,, 14" ,, 3,500 ,, ,, ,,	18" and upwards 1,200 ,, ,, ,,

We will send lowest prices on application.

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Disinfecting Fluid,
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Carbolic Acid (LIQUID and CRYSTALS),
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Naphthaline,
Lysol, and
Disinfecting Powders.

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The Rapid Rat Remover.

Up-to-date Testimonies.

12 DEAD RATS

—PART 7½d. TIN.—

Mr. P. L. Blakely, Chemist, Ryde, I. W., writes:—23/3/21. "Please send 'Rodine' by return—quite out—12 dead rats were found by customer from one application—I believe only part of a 7½d. tin."

40 DEAD RATS

— 7½d. TIN. —

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'FALCON' 9" × 7½" } Sealed Flat Sticky Flypapers

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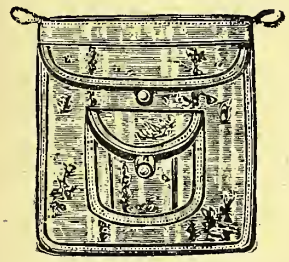

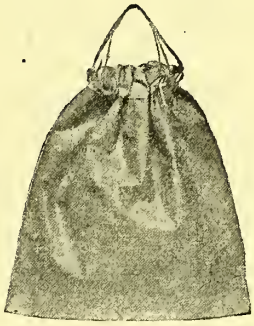

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TO VIEW OUR

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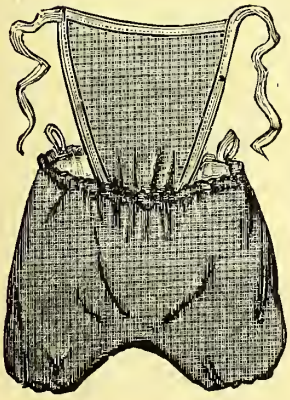

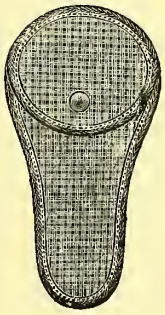

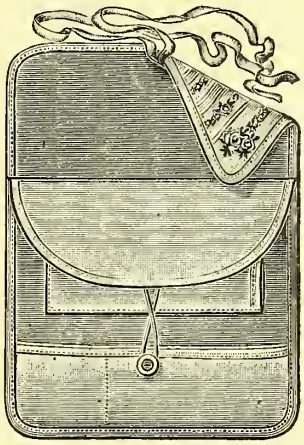

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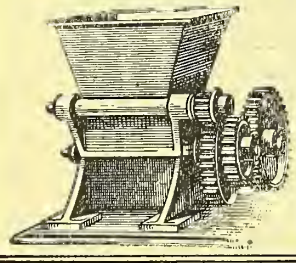

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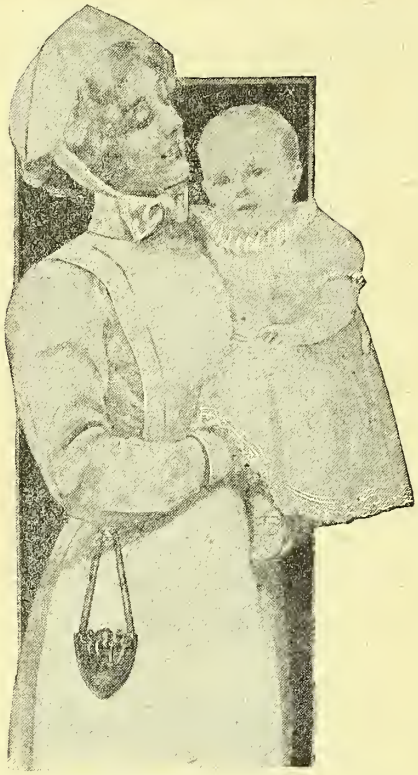

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ON APRIL 1st

Southalls' Sanitary TOWELS

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3	18/6	2/-
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A Compressed	13/11	1½d.
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42 CANNON ST.
LONDON E.C.4

APRIL 9, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

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3.—VICTORIA STATION (within easy distance of).—Lock-up Pharmacy; returns, under manager, about £2,000 per annum; moderate rental; to effect a speedy transfer vendor is willing to consider any reasonable offer.

4.—HYDE PARK (near).—Good-class Retail and Dispensing Business, situate in the centre of good residential locality; lock-up pharmacy, well fitted and fully stocked; net income between £500 and £600 a year; price to be arranged equitably.

5.—WESTCLIFF-ON-SEA.—Old-established Business, situate in close proximity to Railway Station; returns upwards of £2,400; good opening for modern trading; comfortable residence; held on lease; price about £2,000.

6.—LONDON, S.W.—For immediate disposal, a Wholesale Business in Toilet Preparations, showing a 50% *profit on the turnover*; well-appointed premises; held on lease; valuation terms entertained.

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9.—HOME COUNTY.—Good-class Retail and Dispensing Business, situate in a favourite residential town within easy distance of London; returns, under management, about £3,000 per annum, at good prices; well-appointed shop, fully stocked; the Business offers scope for extension under personal supervision; price £3,000.

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13.—SOUTH COAST (seaport town).—Modern well-fitted shop and large stock; returns about £3,000; price £2,000, or offer entertained.

14.—MIDLANDS (large manufacturing town).—Ready-money Business, situate in the centre of town; returns £3,000; *net profit about* £750; price £2,500.

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Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

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Telephone: 1809 CENTRAL.

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2.—MIDDLESEX (10 miles out).—Good-class retail Dispensing and Photographic business, in very best position of pleasant residential district; returns £3,500; good profits; handsome modern pharmacy, fully stocked; price £2,200, strongly recommended.

3.—NORTH LONDON (few miles out).—Profitable cash retail and Prescribing business, increasing; returns £1,200; neatly fitted and good stock; low rental; small but comfortable residence attached; price £850, or near offer.

4.—LONDON, S.E.—Middle-class cash suburban retail; returns over £1,800; no N.H.I.; good profits, low rent, on lease; good house and garden; well-fitted shop, fully stocked; price £1,400. £400 can remain.

ESTABLISHED 1870.

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— LIMITED —

Head Offices —26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

PHONE: CITY 6942.

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Our terms are reasonable, and we make no charge whatever unless a sale is effected through our agency.

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2.—LONDON, E.—Working-class district; returns £20 under Manager, could be doubled by personal attention; excellent stock; price about £800.

3.—KENNINGTON.—Old-established Retail and Dispensing Business; returns £30 per week under management; long lease would be granted at nominal rent; good living accommodation; well fitted and stocked; price £650 or offer.

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The Advertiser may, if referred have re lies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

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RUG Stores, near Oldham; large shop; house part sub-let; takings £1,500; good opening registered man; good busi-ss, and can do much larger trade if pushed; working-class dis-ct; price £600; sell building if desired. Apply 65/19, Office this Paper.

OR Sale, Herbalist Business; no opposition; situate East-End London; good opening Chemist, Druggist, Sundries; only £850 r freehold property; shop parlour, kitchen, yard, three bed-oms, lino all floors, gas fittings, gas cooker, counters, counter-se, shelves, window partitions, stock; immediate possession; owner ving London. Tyler, 12 Windsor Street, Uxbridge.

ENUINE old-established City Business, West of England; excellent profits; good living accommodation; long lease; r quick sale, accept £2,300; good reason for disposal; particu-rs in return for bankers' reference. Apply 65/5, Office of this per.

WHOLE Chemist Shop Fittings and Stock (Glass Cases, Bottles, etc.), to be sold; end of lease; owner going abroad; rare portunity for anyone intending to start a new business; no sonable offer refused. Apply in first instance in writing to A. A. M.," 152 Great Portland Street, W. 1.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

e Advertiser may, if preferred, have replie addressed to this Office, and forwarded on payment of an additional charge of 1/-

HEMIST requires to purchase a small middle-class Retail Cash Business, near London or seaside; price between £600 1 £700. Please state full particulars, in confidence, 66/16, ice of this Paper.

RUG Store wanted by young, energetic man, with private and company Chemists' experience; in middle-class district; ilands preferred; capable of expansion under qualified manage-nt; cash available about £350, remainder by arrangement. ply 65/18, Office of this Paper.

RUG Store or Chemist's Business wanted (now or later), or neglected Business not objected to if scope for increase; ng accommodation an advantage; cash available. Kindly e particulars, in confidence, 64/12, Office of this Paper.

PHARMACIST desires to purchase a genuine cash Business, with turnover between £1,000 and £1,500, with scope for increase; full particulars as to locality and price asked will be treated in strictest confidence. Apply "Holman" (63/30), Office of this Paper.

SMALL Pharmacy or Drug Store; South Coast or Midlands preferred; suit qualified; scope for increase; living accommodation essential; state full particulars in confidence. Apply "A. Z." (63/33), Office of this Paper.

SMALL Pharmacy or Drug Store, must have living accommodation, with vacant possession, within 10 miles radius of Cardiff. Apply "D. R.," 83 Moy Road, Cardiff.

SMALL Business required in London or suburb; living accommodation essential, and early transfer desired; cash available; full particulars in first instance; replies treated in confidence. Reply "Necessary" (64/26), Office of this Paper.

SOUND Retail Chemist's Business required, South of England preferred, or within easy distance of London or Bristol, in healthy locality; returns about £1,500 to £2,000 per annum, with scope for increase; good living accommodation essential; banker's reference given. Send full particulars, P. H., 581 Fishponds Road, Fishponds, Bristol.

WANTED, opening for good-class Dental Practice, or would consider same in conjunction with Chemist's business; £10 premium offered for suitable opening for practice (with house accommodation available) if accepted; Home County preferred. "Chemist and Dentist" (65/9), Office of this Paper.

WANTED, in or near London, Business, doing about £2,500 or £3,000; residential district preferred; must have living accommodation; or would exchange good-class Light Retail Business doing about same in suburb of large North-West city, with living accommodation. Particulars, in confidence, 66/2, Office of this Paper.

FOR SALE.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CASH Register Till, £12 12s. model; strong dovetailed case, richly French polished, patent check action drawer, large cash capacity, accept £4 4s.; also smaller model, £3 5s.; approval willingly. 3 Aubert Park, Highbury, London, N. 5.

NATIONAL Credit File, with number of spare files; price £35. Goddard & Grieve, Ltd., 465 Finchley Road, N.W. 3.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BURSLEM.—Good Junior for Country Wholesale and Retail; outdoors; single; short hours; close Thursdays 1 o'clock; must be good Salesman and with knowledge of Dispensing; state age, height, and experience, with references and salary required; permanency for good man. Thos. Leicester, Chemist, Burslem.

CORNWALL.—Wanted, for Bude branch, unqualified Junior Assistant. Particulars of experience, salary, etc., to Geo. Wise, M.P.S., Launceston.

CROYDON District.—Competent Assistant; Photographic experience essential; used to Developing and Printing; unqualified. Apply, stating previous experience, age, when disengaged, and salary required. Also an Assistant for evenings, accustomed to N.H.I. work. "Statim" (65/4), Office of this Paper.

DONCASTER.—Required (immediately), Junior or Improver in old-established family business conducted on progressive and up-to-date lines; 49 hours work per week under pleasant and genial conditions. Apply, giving age, height, experience, salary required (outdoors), references (which must bear the strictest investigation), and enclosing photo, to M. H. Stiles & Son, Doncaster.

DOUGLAS, ISLE OF MAN.—Wanted, Assistant, unqualified, with good knowledge of Photography, from the beginning of May to end of September. Apply, stating particulars as to experience, age, height, references, salary (outdoors), to Gelling Bros., M.P.S., Broadway.

LONDON, Central (outdoors).—Junior Assistant (British, male), for about the middle of May; preferably qualified, and not over 30; some Continental experience an advantage. Apply, by letter only in first instance, giving full particulars of age, total experience, qualification, salary required, etc., to Mr. Ellerington, c/o Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C. 2.

HACKNEY UNION INFIRMARY.

RADIOGRAPHIC AND LABORATORY ASSISTANT AND JUNIOR DISPENSER.

WANTED, a Radiographic and Laboratory Assistant and Junior Dispenser (lady), whose duties, under the direction of the Medical Superintendent, will include work in the Clinical, Laboratory, and X-Ray Departments.

The present remuneration is at the rate of £90 per annum and a Bonus (payable: subject to the Guardians' Regulations) at the rate of £148 per annum.

Candidates must hold the Dispensing qualifications of the Society of Apothecaries or the Pharmaceutical Society.

The appointment will be subject to the provisions of the Poor-Law Officers' Superannuation Act, 1896.

Apply on printed forms to be obtained at my Office.

FRANK R. COLES,
Clerk to the Guardians.

Clerk's Office,
2 Sidney Road, Homerton, E. 9.

LONDON, N.W.—Wanted, Junior, unqualified; good Dispenser. Apply, with full particulars, salary required, etc., W. H. Bell & Co., 96 Albany Street, Regent's Park, N.W. 1.

LONDON, W.C.—Qualified Evening Assistant wanted, from 6 to 9 p.m., accustomed to good-class Retail and Dispensing. Personal application, Burden & Co., 41 Store Street, Bedford Square.

MIDDLESEX.—Qualified Assistant, lady or gentleman, about 30; 25th April; hours 9 till 8; willing, pleasant; Counter, Photographic, N.H.I.; one hour duty alternate Wednesday half-day. Apply, stating salary, height, experience, applications unanswered within a week refused, 63/29, Office of this Paper.

NEAR LONDON.—Qualified man, about 22; Square-trained preferred; good Dispenser, nice Counter manner essential; must have excellent references; if photo is sent stamped addressed envelope for return; full particulars first letter, state wages required. Apply 62/7, Office of this Paper.

RHONDDA VALLEY, SOUTH WALES.—First-class Manager (Welsh) for good business, house attached; prospects excellent to a really good man; reference must be undeniable; state full particulars in first letter. Apply 63/15, Office of this Paper.

SOUTHSEA.—Wanted, an Assistant, used to Counter; not necessarily qualified; single preferred. Apply, stating age, experience, and salary required, to Arnold & Sons, King's Road.

ASSISTANT, with good Dispensing experience and knowledge of Photographics; outdoors; age 23 to 30.—Apply, with full particulars, salary, and experience, to Pyman, Chemist, Westgate-on-Sea.

ASSISTANT wanted; good appearance; reliable and competent; Light Retail, Dispensing, and Photography; half-day weekly; no Sunday duty; single man preferred; outdoors. Salary and full particulars to Appleyard, Chemist, Shoeburyness.

BOOKKEEPER-TYPIST required by W. E. Plant Exors. Full particulars first letter to the Manager, 28 High Street, Doncaster.

BRANCH Manager, for S.E. district; state qualifications and salary; one used to making Mineral Waters preferred. Apply 65/39, Office of this Paper.

CAPABLE Assistant (unqualified); age 25 to 35; permanency to suitable man, in good-class General Retail and Dispensing business; good Salesman and Window-dresser essential; please state salary (outdoors) and when at liberty. Apply White, Chemist, Bradford Road, Shipley, Yorkshire.

IMMEDIATELY.—Unqualified Assistant (male); Light Retail and Dispensing; Senior kept; short hours; no extra duty. Please give full particulars, salary required, age, experience, references, etc., to Major Hill, 16 Queen's Road, Wisbech, Cambs.

JUNIOR for a good-class country Retail business; must have good reference and not afraid of work; a comfortable berth for the right man; easy hours; no Sunday duty; please state full particulars, salary, etc. Bates & Hunt, Wellington, Salop.

JUNIOR Assistant required for good-class Retail and Photographic business; must be good Salesman and Window-dresser. State age, height, salary, references, and experience to "South Coast" (64/28), Office of this Paper.

LOCUM wanted for June or longer; must be an experienced Dispenser, quick, accurate, and reliable; no N.H.I. Dispensing; outdoors. Apply, giving references, salary required, etc., to J. W. Moorhouse, Pharmaceutical Chemist, Barnsley.

PRICHARD & CONSTANCE, Ltd., 57 Haymarket, London, require a qualified Assistant for about a month, during the absence through illness of one of their staff; outdoors; salary £5 per week. Apply to Mr. T. W. Theakston at 57 Haymarket.

QUALIFIED Assistant; outdoors; accustomed to a mixed country business. References, salary required, and photo, to W. Phillips, Chemist, Craven Arms.

QUALIFIED Manager required immediately to undertake Manager's relief work; start immediately; permanency if relief work satisfactory; Yorks and Lancs. Apply "Y. L." (63/150), Office of this Paper.

QUALIFIED Assistant, over 30, single (indoors), for good-class Dispensing and Photographic business; knowledge of Optics an asset; permanency if suitable. Apply, stating age, experience, references, and salary required, to Richards, Woodside Park Pharmacy, North Finchley, N. 12.

QUALIFIED Locum wanted (August 2 to 27 inclusive); must have highest personal references. Apply "St. Kilda," Cliftonville, Dorking, Surrey.

SENIOR, outdoors, with Optical and Photographic experience (no sight-testing), for good-class Pharmacy, North London; two others kept; good salary and commission to keen business man; experience and initiative more important than qualification; can wait a month for right man; send full particulars, but no stamps or photos, with first application; if not answered within a week respectfully declined. Apply "Permanency" (63/31), Office of this Paper.

TRAVELLERS, with sound, live connections amongst Chemists and Photographic Dealers, wanted everywhere in the United Kingdom (including London and suburbs); work consists in distributing price-lists for cheap Photographic Enlargements; excellent side-line; no experience necessary; no samples to carry; only men of proved selling ability and push need apply. State full particulars, ground covered, to 64/30, Office of this Paper.

UNQUALIFIED Assistant wanted (outdoors) for good-class Dispensing and Light Retail; no N.H.I. Full particulars of experience and salary required to Dring, Teignmouth.

UNQUALIFIED Junior wanted for Eastern County; knowledge of Photography important. Harcombe Cuff, 453 Caledonian Road, N. 7.

WANTED, smart Junior Assistant, with practical knowledge of Photography; easy hours, and opportunity for study given. Please state age, experience, and salary required (outdoors) to Herbert A. Mills, 3 Croxted Road, Dulwich, S.E.

WHOLESALE.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

6s. for 40 words or less; 6d. for every additional 10 words or less prepaid.

A WELL-KNOWN proprietary house require a capable and energetic Salesman for London and suburbs; applicants must have a first-class connection amongst Chemists and Drug Stores; liberal commission terms for the right man. Applications, giving age, full particulars of past experience, and lines carried, to 6/61, Office of this Paper.

AN excellent opportunity occurs for a good male Window-dresser; one who has experience in dressing Chemists' windows preferred; successful applicant would be trained in Salesmanship also, with the view of being placed on the travelling staff of a well-known Perfumery house; state experience, age, and salary required. Apply 6/62, Office of this Paper.

DRY ROOM.—Qualified Assistant required to take charge of Dry Room of a provincial Wholesale house. Apply, with full particulars of age, experience, and salary required, to "Belladonna" (36/66), Office of this Paper.

REPRESENTATIVES, on commission basis, for Tablets and Fine Chemicals for Midlands and Southern England, Wales, Ireland; state fully ground covered and lines at present represented. Pierson, Morrell & Co., Ltd., Queen's Road, Barnet.

REPRESENTATIVES wanted, on commission basis, for series of high-class Packed Goods, etc.; must have sound connections and able to introduce sound business. Please state terms, district covered, together with full particulars, to 65/13, Office of this Paper.

TRAVELLER.—Required at once for London Wholesale Druggist, Traveller for Druggists' Sundries with experience and connection, preferably in the Midlands. Apply, giving fullest particulars and salary required, to 15/43, Office of this Paper.

TRAVELLER wanted for Yorkshire for sale of Dyes and Colours, chiefly in the non-textile trades; connection with Leather, Varnish, Polish, Ink, Cabinet, and allied trades preferred; good opening for thoroughly qualified man with undeniable references. State full particulars to 43/24W, Office of this Paper.

TRAVELLERS required to carry well-advertised Toilet Preparations; territories, South of England and South of Wales, Lancs, Yorks, etc.; representatives living on the ground preferred. Write, stating full particulars, terms required, in confidence, to "Eydolash," 345 Archway Road, London, N.

SITUATIONS OPEN.

(Colonial, Indian and Foreign).

MALAYA.—Wanted, unmarried, qualified Pharmacist, not over 26; 4 years' agreement; first year £420, second, third, £456, fourth £492; splendid opening for hard worker to carve out a successful career in healthy colony. Full particulars to 15/22J, Office of this Paper.

SCANDINAVIA.—Wanted, for old-established Scandinavian Soap Manufacturers of highest standing, a thoroughly capable and experienced technical Chemist to assist the Working Manager for about six months in order to perfect the manufacture of Toilet and Household Soaps. State qualifications, references, and salary required to "Scandinavia" (21/20L), Office of this Paper.

SOUTH AFRICA.—Young, qualified Pharmacist is required for a position of responsibility in South Africa; Major man with good experience preferred. Apply, giving full particulars and salary expected, to "F. W. G.," Allen & Hanburys, Ltd., Bethnal Green, E.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.A.—ASSISTANT; qualified; 27; exceptionally high references; best-class experience; quick and accurate Dispenser; Salesmanship speciality. "Chemicus," 4 Bcresford Road, Hornsey, N.

A.A.A.—EXPERIENCED Locum; vacancies April 15th to May 15th, August 30th onwards; terms moderate. "Pharmacist," c/o Goodall, Backhouse & Co., Wholesale Chemists, Leeds.

A CAPABLE Assistant, unqualified, 14 years' experience, 30, good Salesman, Prescriber, Dispenser, Photography, Window-dresser, Extractor, requires situation; permanency or locum; at present managing business, which is being sold. Apply 65/14, Office of this Paper.

A HALL qualified, long experienced woman Dispenser wants work; not shop please; seaside or country liked, not essential. Mrs. Russell, 9 Guildford Street, London, W.C. 1.

A QUALIFIED Chemist (31) offers his services for £3 weekly in border town, Scotland or England, until suitable Managership opening arises. "Cortex," 3 Kenneth Street, Stornoway.

A TWO weeks' Locum, seaside, by Managing Assistant; 35; West-End experience. Apply "Lavender," 164 Hampstead Road, N.W.

AS Chemist; age 40; married; Major; educated Manchester University; Colloquial French and Welsh; knowledge Company Law and Finance. M.L. 97877, Office of this Paper.

AS Locum or permanent; competent Pharmacist seeks position as Manager; excellent references; used to complete control. Apply 65/35, Office of this Paper.

AS Junior.—Youth (19), just completed apprenticeship in good-class Pharmacy, requires Assistantship in Manchester district; good appearance and address; smart and willing. Apply 64/16, Office of this Paper.

ASSISTANT; single; unqualified; 23; good Dispenser; Counter experience, Window-dressing, Photography; disengaged. "H. W.," St. Michaels, Church Street, Abertillery, Mon.

ASSISTANT (lady); experienced; Window-dressing, Counter-work, Dispensing, Photographic materials, good Stock-keeper; capable of managing branch; good references. Address "Chemist," c/o Mrs. Taylor, East Burnham, near Slough, Bucks.

ASSISTANT Dispenser; 27; married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

ASSISTANT, unqualified, desires part-time situation; London district only. "V. R.," 30 Gore Road, Hackney, E. 9.

ASSISTANT, unqualified, single, first-class experience, desires easy berth, not being very strong, about end of May. Apply P.C.B. 74/38, Office of this Paper.

ASSISTANT (part- or whole-time); 20 years' London and country experience; outdoors. "Chemicus," 62 Jefferys Road, Clapham Road, S.W.

ASSISTANT (unqualified); smart Salesman; Drug, Surgical, Perfumery, Toilet, etc.; would travel. "Salol," 37 Brunswick Road, N. 15.

ASSISTANT Dispenser (lady), Hall certificate, wishes post with Doctor or in Hospital. Tel. No. 455 Wimbledon. Address R., 150 Hartfield Road, Wimbledon, S.W. 19.

ASSISTANT (31); Student-Associate; single; abstainer; London and provincial experience; excellent references; Dispensing, Counter, Window-dressing. Write "M. Combe," 73 Sterndale Road, Brook Green, Hammersmith.

ASSISTANT; unqualified; 40; married; good experience Counter, Dispensing, and Photography; West-End experience. Tucker, 11 Bungalow Road, South Norwood.

ASSISTANT, unqualified; 36; Dispensing, Counter, Window-dressing; good knowledge of Optics, Photographics, and Surgical Appliances; keen Salesman; active. Apply "Snap" (66/15), Office of this Paper.

ASSISTANT, lady; unqualified; 3 years' all-round practical experience; hard worker; excellent refereuces; anywhere. Apply 24/56, Office of this Paper.

BRANCH Manager or Assistant; 55; unqualified; very active; good Prescriber and Counterman; accustomed to Dispensing; permanency; excellent reference; could invest £100 in business; moderate salary. "Rhei" (63/23), Office of this Paper.

BRANCH Manager or Assistant; 47; married; disengaged; unqualified; Dispensing and Counter experience, also accustomed to Store trade; 10 years last situation; undeniable references. A. E. W., 62 Park Road, Spalding.

BRANCH Manager or Senior Assistant; young; qualified; experienced and reliable; permanency. "C.," 6 Great Elms Road, Bromley, Kent.

CAPABLE Manager or Assistant; unregistered; middle-aged; well up in Dispensing, Counter, and Photographic; 14 years Manager. Apply 62/9, Office of this Paper.

CAPABLE and reliable Manager or Assistant desires permanency; Dispensing, Photographic, and Optical experience; 20 years' Retail experience. Mellor, 31 Lorne Street, Burslem, Staffs.

COMPETENT Assistant (27); qualified; first-class Dispensing and Retail experience; Photographic; would manage; industrious; disengaged. Apply "Medinal," 21 Belvedere Road, Upper Norwood, S.E.

COMPETENT Manager, qualified, requires re-engagement; present business being sold; good appearance and address; first-class experience all branches; best references; accustomed buying and sole charge. Offers, "Manager" (65/2), Office of this Paper.

DISENGAGED; Locum or Manager; qualified; elderly; excellent references. Apply J. Allen, 17 Prince's Road, Wimbledon, S.W. 19.

DISPENSER (lady), Hall, good experience from the North, desires post in London or S.W. district. Rogerson, 13 Eveline Road, Mitcham.

DISPENSER requires post with Doctor or Chemist; whole or part time; good references; experienced; quick and energetic. Apply "Grace," 18 Richmond Road, Ilford, Essex.

DISPENSER, qualified, desires position in Bournemouth or near. Apply P.C.B. 75/11, Office of this Paper.

DISPENSER, lady (Hall) desires post with Doctor or Institute, London or London district; excellent references. Miss M. Gordon, 66 Redcliffe Square, S.W.

DISPENSER, lady (Hall) requires post with Chemist, Doctor, or institution; four years' experience; two in Pharmacy; excellent testimonials; whole or part time. Apply "P.," 42 King Edward's Gardens, W. 3.

DISPENSER-BOOKKEEPER; unqualified; 39; married; 20 years' experience with Doctors; good references. "A. D.," 67 Battersea Rise, S.W.

DISPENSER-BOOKKEEPER.—Three years' practical experience, Institution, Doctor, Secretarial; good references. Apply "A.," 14 Queen's Road Monkseaton, Northumberland.

EARLY in May, qualified Assistant; 23; good experience Counter, Dispensing, and Photographics; good references; provincial preferred. Apply "Provincial" (62/16), Office of this Paper.

ELDERLY Qualified as Manager, small Branch or otherwise; low salary; in- or outdoor; single; good Prescriber, etc.; experienced. 35 Hatcham Park Road, S.E. 14.

ENERGETIC experienced Manager, Assistant; unregistered; disengaged; purchase Branch. "Chemicus," 79 Cecil Street, Manchester, S.

EVENING work required by experienced Dispenser and Laboratory Assistant; also efficient Bookkeeper; all evenings free. Apply Bull, 57 Glenwood Road, Catford Hill, S.E. 6.

EX-OFFICER desires appointment, Dispenser-Bookkeeper to Doctor; good references. H., at Orchard House, Woolpit, Bury St. Edmunds, Suffolk.

EX-SERVICE man desires position in Pharmacy; Dispenser or Representative; age 30; single; 6 years' experience as Chemist's Assistant; willing to go abroad. M.L. 1311/21, Office of this Paper.

EXPERIENCED Assistant, reliable; good references; London; disengaged. H. Lemon, 7 Roslin Terrace, Roslin Road, Acton, W. 3.

EXPERIENCED; part or whole time; Dispensing, Prescribing, Bookkeeping, Counter, Dental. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

EXPERIENCED, qualified Dispenser, Nurse, desires post. Apply "Miss F." (62/6), Office of this Paper.

HOLIDAYS.—Relief, the right man for you; Student, nearly five years in Army; 32 years age; excellent references; reliable Dispenser, first-class Salesman; smart appearance; now booking any periods. Apply, stating terms, "Statim," Oakwood, Wingfield Road, Whitchurch, Glamorgan.

IMMEDIATELY.—Assistant (25); country or seaside; Counter, Dispensing, Photographic. "Dormor," Eye, Suffolk.

IMPROVER requires situation; good experience. J. W. Morgan, 4 St. Albans Road, Treherbert, Glam.

JUNIOR, unqualified, good Photographic and all-round experience, good references, open to seaside engagements. Apply 63/12, Office of this Paper.

LADY Assistant (25), Minor qualification, five years' experience in Retail Pharmacy, desires situation with Chemist or Doctor; salary moderate. Apply P.C.B. 75/12, Office of this Paper.

LADY desires post with Doctor, any capacity; Dispenser, Bookkeeper, Secretary, etc.; good testimonials. Miss Borrow, 39 Boyne Road, S.E. 13.

LADY Dispenser (Hall), experienced, disengaged on fortnight's notice; Doctor or Institution; London or Lancashire preferred; please state salary. Apply 64/4, Office of this Paper.

LADY Dispenser, three years' practical experience, requires situation with Chemist, Doctor, or Institution; London or South of England preferred; highly recommended by employer. Apply F. Kenchington, Hawkhurst, Kent.

LADY Dispenser (Hall); excellent experience; engaged part-time Hospital; free Wednesday, Thursday, and Saturday morning; Doctor, Institution, Chemist. E. Ventris-Field, 27 Cambridge Avenue, Kilburn Park, N.W. 6.

LADY, qualified, desires situation, Institution, Chemist, or Locum; Manchester or suburbs. Illingworth, 9 Wilton Road, Chorlton-cum-Hardy, Manchester.

LADY requires post with Chemist; first-class experience Dispensing and Counter; please state salary. Apply 63/190, Office of this Paper.

LADY requires post with Doctor; first-class experience Dispensing and Bookkeeping; please state salary. Apply 63/19, Office of this Paper.

LOCUM, qualified, thorough experience, reliable, disengaged till May and from fourth week June. Dear, 111 Royal Parade, Eastbourne.

LOCUM (lady), Pharmacist, open for engagements from May on. Apply Hughes, 89 Upper North Street, Poplar, London, E.

LOCUM TENENS, disengaged, experienced, booking up for summer; 53; active. Beach, 19 Kensington Gardens Square. 'Phone: Park 1928.

LOCUM (ex-V.A.D.), qualified (Hall), experienced, desires post; excellent testimonials; London; free now. McNaughton, 8 Stanhope Gardens, Highgate

LOCUM.—Mr. T. Young, M.P.S., has some vacant dates; well recommended; North preferred. 48 Stanhope Road, South Shields.

LOCUM, qualified, all-round experience, well recommended, now booking dates; disengaged. Gambling, 42 Grant Avenue, Wavertree, Liverpool.

LOCUM, Holiday Relief Assistant, or Manager; thoroughly competent, experienced, industrious; terms low; disengaged. "Reliable," 239 Camberwell New Road, S.E. 5.

LOCUM, now disengaged and booking forward; elderly; very active; qualified; good Salesman and thoroughly experienced; town or country; terms moderate. Apply 66/6, Office of this Paper.

M.P.S. (22) requires situation (outdoors) in the City or suburb. Apply 63/14, Office of this Paper.

MANAGER; country and permanency preferred; good Prescriber; 46; qualified; well recommended; disengaged April 14th. "Chemist," 43 Thornton Avenue, Chiswick, W. 4.

MANAGER, Senior, Locum; 49; Major; good experience and references; outdoors; disengaged 13th. Anthony, c/o Stooke, Chemist, Gillingham, Kent.

MANAGER or Locum; highest references from last berths of ten years and three years; disengaged; interview welcomed. "G.," 49 Oxford Road, Ealing, W.

MANAGER or Assistant; experienced; excellent testimonials. "M.P.S.," 22 Ellison Road, Barnes, S.W.

MANAGER, permanent or temporary, Dispenser for Institution, or Holidays Locum; qualified; 55; 20 years' reference. "M.P.S.," 110 Hollingbury Park Avenue, Brighton.

MR. S. RILEY, Flint, desires to recommend his Assistant (9½ years, Apprentice and Assistant, with myself, except for Army service); 25 years old; thoroughly trustworthy; total abstainer; situation in good Light Retail and Dispensing wanted. Write Mr. J. E. E. Coulter, "Sunnyside Cottage," Flint.

MINOR Student requires part-time Dispensing in Manchester or Bolton districts. Mitcham, 18 Chilham Road, Walkden.

PHARMACIST; 29; married; M.P.S.; served 4 years' apprenticeship as unqualified Assistant and Dispenser. M.L. 26885, Office of this Paper.

PHARMACIST, fully qualified, very experienced, abstainer, seeks position of responsibility as Manager; highest references. P.C.B. 76/8, Office of this Paper.

POST in high-class Dispensary business; 23; single; M.P.S.; served 4 years' apprenticeship; also experience as Dispenser. M.L. 7594, Office of this Paper.

QUALIFIED; 26; single; Branch Manager or Assistant; good experience; Midlands preferred. Apply 63/21, Office of this Paper.

QUALIFIED lady (27); 11 years' Dispensing, Counter, Photographic experience; full charge or otherwise; England or Wales; state terms. Apply 62/15, Office of this Paper.

QUALIFIED Chemist (lady), first-class City experience Dispensing and Front Counter, knowledge of Photography, desires position with Doctor or Chemist. Apply 59/25, Office of this Paper.

QUALIFIED, 39, married, no children, requires position as Manager; excellent references; would invest small capital if required; Locum entertained if for month. "Chemist," 2 Bilston Road, Wolverhampton.

QUALIFIED (1911); 37; abstainer; married; disengaged; Manager or Assistant; experienced; reliable. C. E. Beer, 98 Greyhound Lane, Streatham Common.

QUALIFIED; Scotchman; 37; married; first-class West-End and Continental experience; speaks French. Miller, 36 Fairbridge Road, London, N. 19.

QUALIFIED Manager or Locum; thoroughly experienced, energetic, and reliable; Dispensing, Photo, and General Retail; first-class references. "Salol," 42b Grand Parade, Harringay, N. 4.

QUALIFIED (37), experienced in all branches, good Prescriber, trustworthy, abstainer, as Branch Manager, or view to succession; excellent references. Apply 64/31, Office of this Paper.

QUALIFIED Gentleman (30) desires re-engagement as Branch Manager, outside London; best London and country experience; accustomed buying and sole control last 2½ years; good appearance and address; interview arranged; photograph; a live man requiring good berth. 65/200, Office of this Paper.

QUALIFIED (recently), young, desires position as Assistant or Manager (former preferred). Address "Lancashire" (66/10), Office of this Paper.

SMART, experienced Pharmacist Manager requires permanency in town or country; up-to-date in modern business methods; disengaged; married. Usual particulars to "Minor," 26 Fox Hill, S.E. 19.

STOCKTAKER desires situation, London only; thoroughly understands business; 35; best Retail experience. Apply "Metol," 164 Hampstead Road, N.W. 1.

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